User's Manual

PP-9260 series

Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Shielded interconnect cables and shielded AC power cables must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

Declaration of Conformity

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Important Safety Information

SAFETY INSTRUCTIONS

1. Please read these safety instructions carefully.
2. Keep this User's Manual for later reference.
3. Don't use liquid or spray detergent for cleaning. Use only a moistened sheet or cloth.
4. For pluggable equipment, the socket-outlet should be installed near the equipment and should be easily accessible.
5. Keep this equipment from extreme humidity areas.
6. Lay this equipment on a stable surface when installing.
7. Do not leave this equipment in a non-air conditioned environment, or in a storage temperature above 40° C. Such conditions may damage the equipment.
10. Place the power cord so that it will not be stepped on. Do not place anything over the power cord. The power cord must be rated for the product and for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product.
11. All cautions and warnings on the equipment should be noted.
12. If the equipment is not used for a long time, disconnect the equipment from the mains to avoid damage.
14. Never open the equipment. For safety reasons, qualified service personnel should only open the equipment.
15. If one of the following situations arises, get the equipment checked by service personnel:
    a. The Power cord or plug is damaged.
    b. Liquid has penetrated the equipment.
    c. The equipment has been exposed to extreme moisture conditions.
    d. The equipment does not work well or you cannot get it work according to the user's manual.
    e. The Equipment has been dropped and damaged.
    f. The equipment has obvious signs of damage.Copyright

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First Edition July 2008

Table of Content

I N D E X	Pages
Chapter 1 Introduction	1
...How to use this manual	1
...What comes with PP-9265/9267	2
...Dimensions	3
...PP-9260 Assemble	5
...Hard Disk Drive Installation	7
Chapter 2 Software Setup	9
...Windows XP Installation	9
...Device Driver Installatin	10
...Intel Chipset Driver Installation for Windows XP Operating System	10
...Graphics Driver Installation	14
...Enable second display	18
...Ethernet Driver Installation	23
...Audio Driver Installation	25
...TouchScreen Driver Installation (Elo Resistive/IR touch)	27
...Elo Control Panel	32
...TouchKit Tools Installation	37
...TouchKit Control Panel	43
Chapter 3 Specifications	48
...System specifications	48
...Motherboard conigurations	50
...SATA docking board	55
...PP-9265 I/O board	56
...PP-9267 I/O board	59
...PP-9265 system I/O panel	61
...PP-9267 system I/O panel	61

Chapter 1

Introduction

How to Use This Manual

This manual contains all the information you need to set up and use PP-9265/PP-9267. In addition, you can also consult the manuals for the operating system and any additional hardware manuals for peripherals that you may have added.

Chapter 1 An introduction to PP-9265/PP-9267 and this manual.

Chapter 2 All necessary information for all hardware setup.

Chapter 3 The necessary information for installing the video drivers, touch screen tools, audio and LAN drivers.

Chapter 4 Lists all PP-9265/PP-9267 specifications and Information for the motherboard configuration

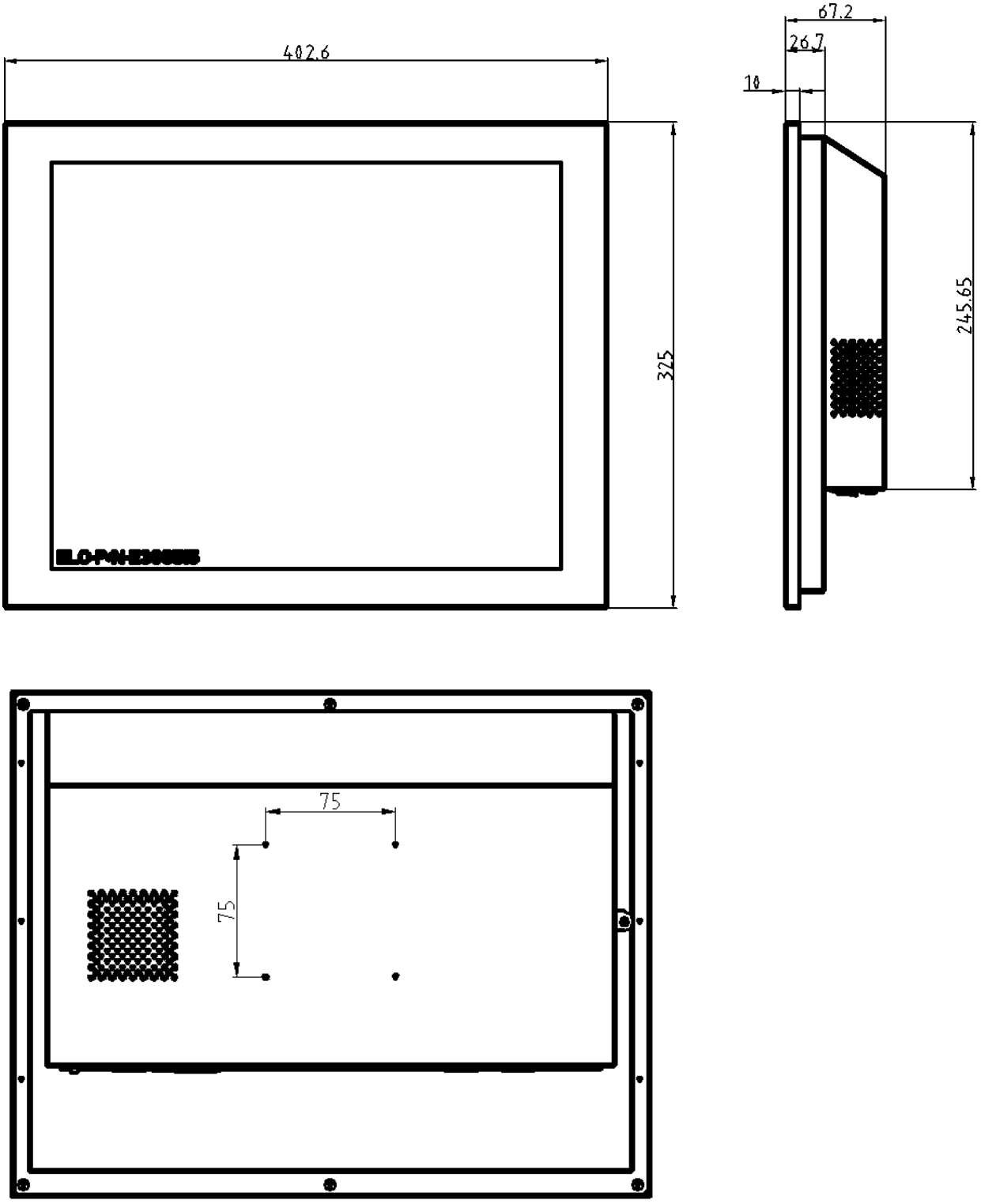
What comes with PP-9265/PP-9267

The following items are standard peripherals with PP-9265/PP-9267:

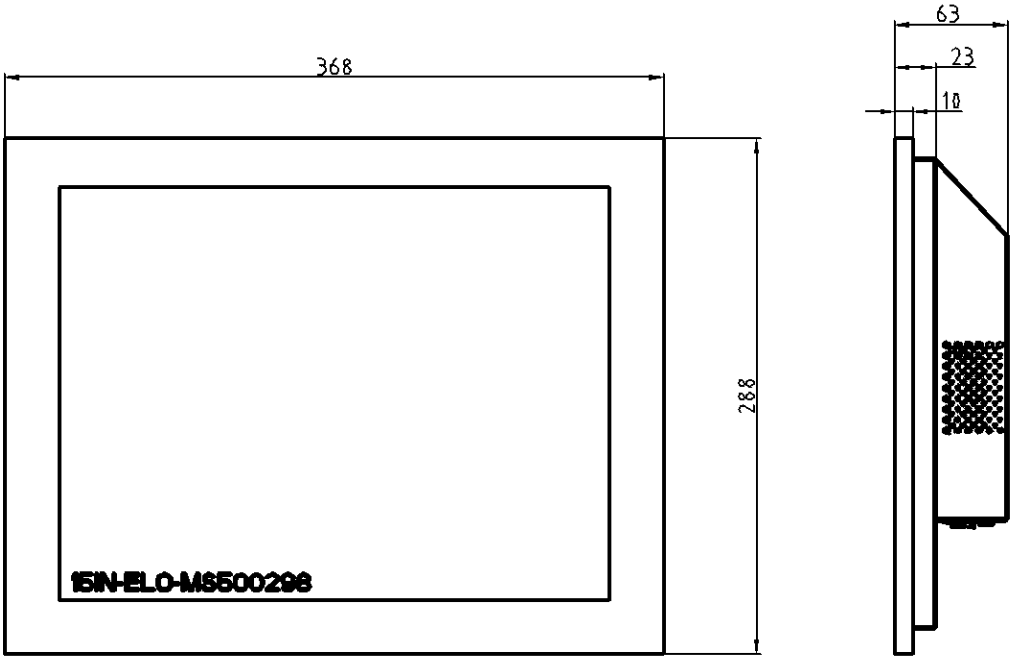
- User's Driver / Utility disk
- AC power cord
- Power adaptor
- Wall mount brackets
- Screws

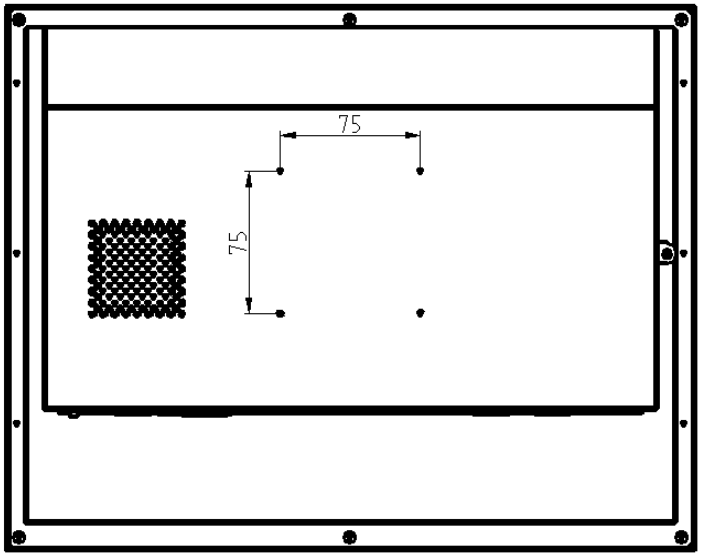
Dimensions

PP-9267



PP-9265

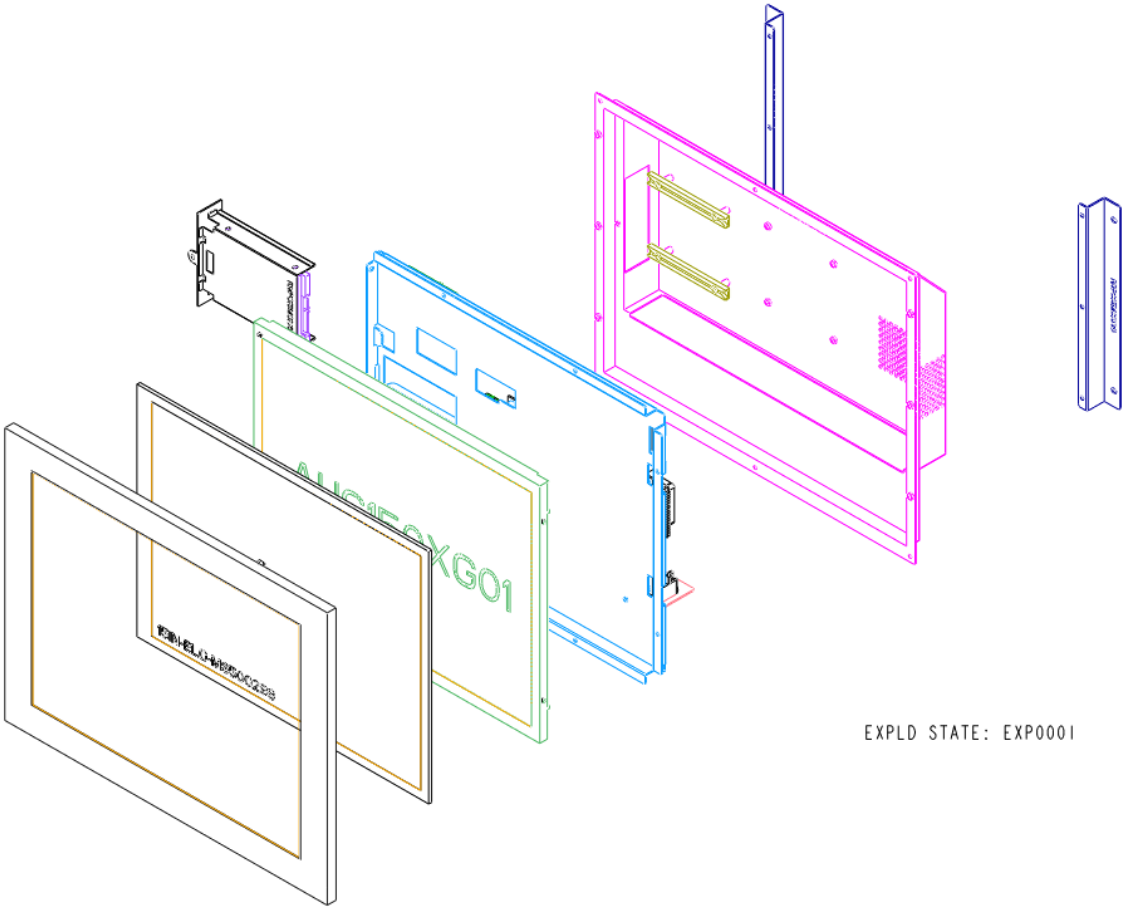




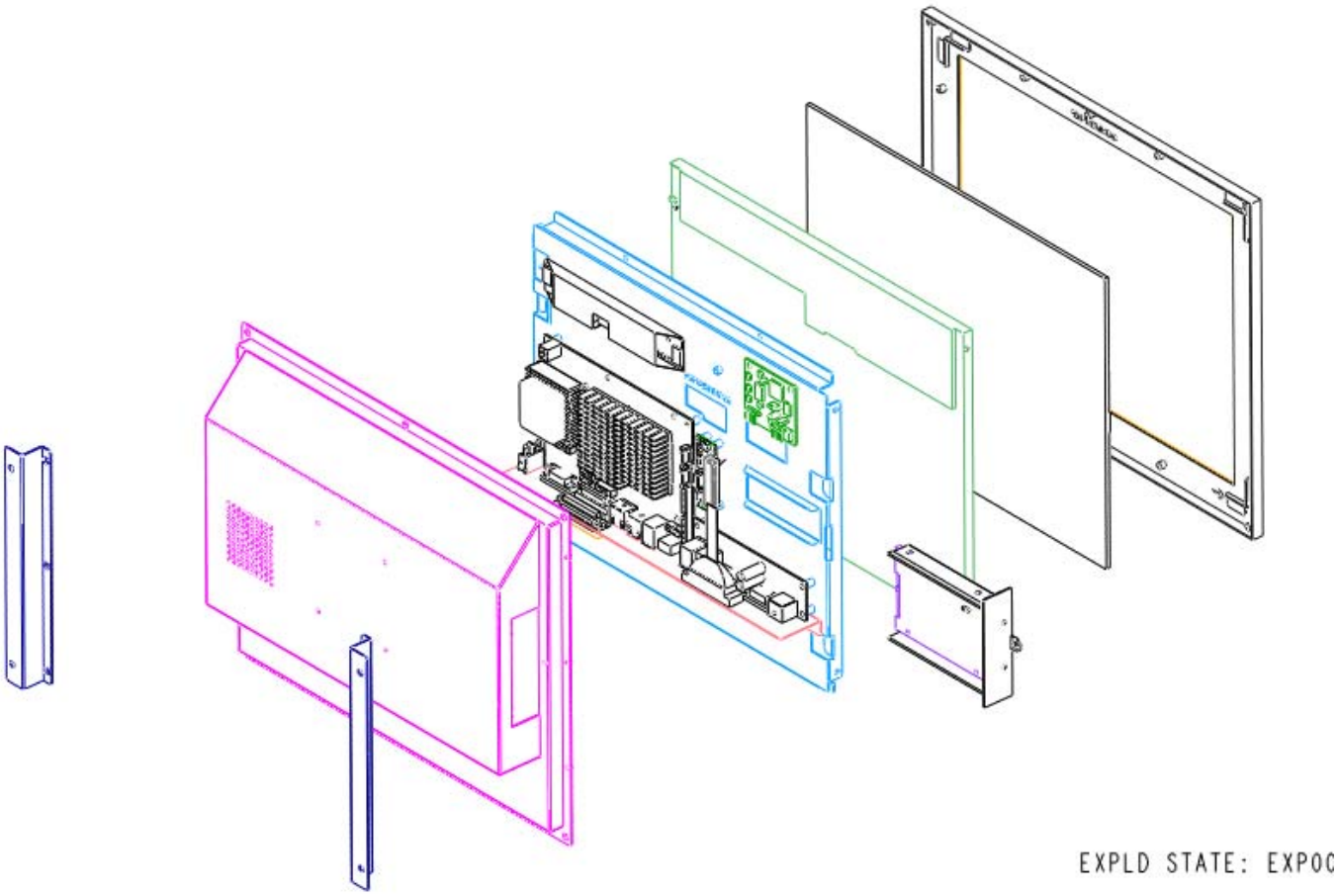
PP-9260 assemble

Please make sure that the power supply is disconnected when making any hardware changes to PP-9265/PP-9267.

Front View :



Rear View :



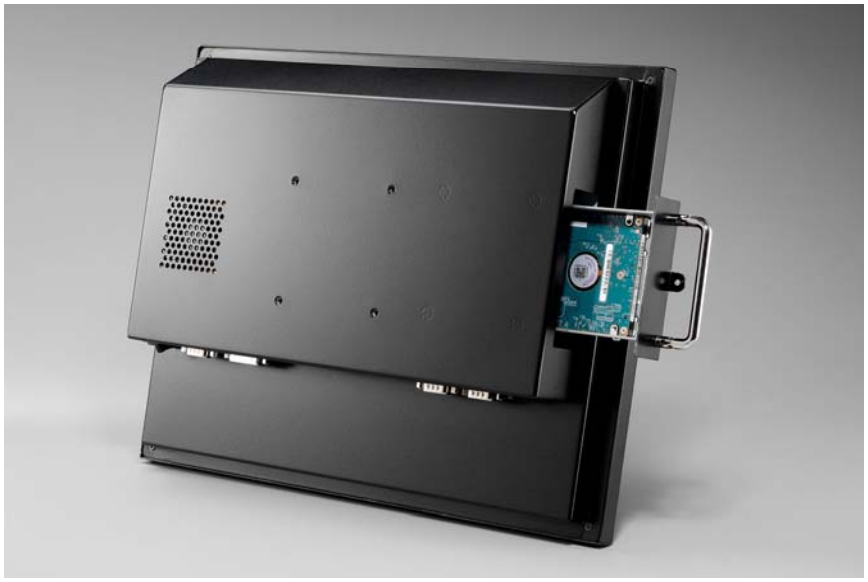
Hard Disk Drive Installation

A standard PP-9265/PP-9267 comes without a hard disk drive (HDD), unless it is pre-requested.

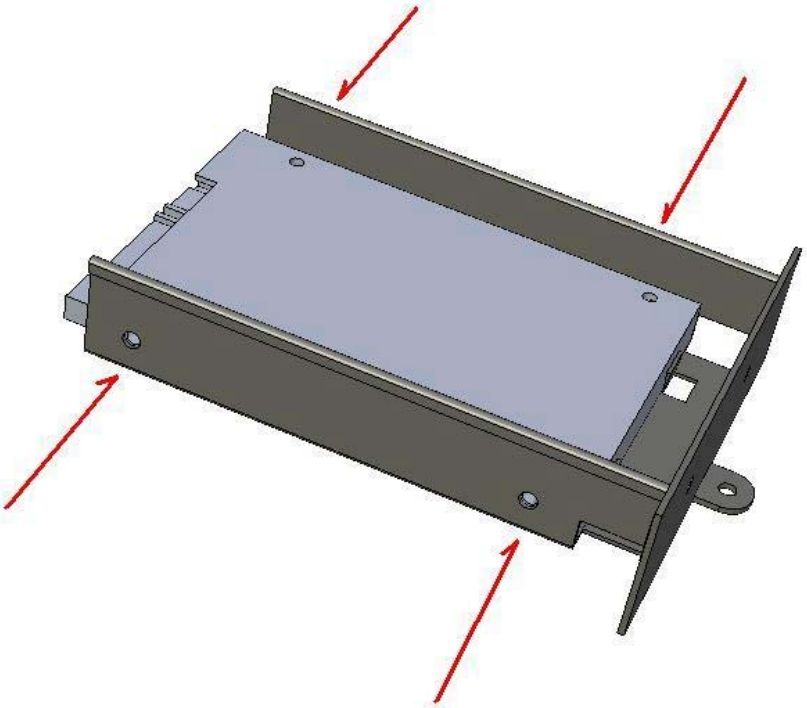
1. Turn off power and remove power cable from main unit.

2. Remove the fixed screw..

3. Draw the tray out and install the 2.5" SATA HDD with PCB facing backward.



4. Fixed HDD by four M3x5 screws



Chapter 2

Software Setup

Windows XP installation

Installing Windows XP can be performed on the **PP-9265/PP-9267** quite simply

Items required:

An USB CDROM drive

1. Attach the USB CDROM drive to **PP-9265/PP-9267**.
2. In the CMOS setup “Advanced Chipset setup” change the item “USB Device Legacy Support” to “All Devices” this will allow booting from any USB bootable device.
3. Power on and modify CMOS BIOS settings to enable the USB CDROM to be the first bootable device (see CMOS setup in the motherboard manual)
4. Insert the XP CDROM disk into the drive
5. Reboot the system
6. The PP-9265/PP-9267 will boot from CDROM drive and automatically start the setup programs
7. Follow the onscreen instructions for normal installation of 2K or XP

Device Driver Installation

PP-9265/PP-9267 comes with a variety of drivers for different operating systems.

You will find 1 CD with **PP-9265/PP-9267**.

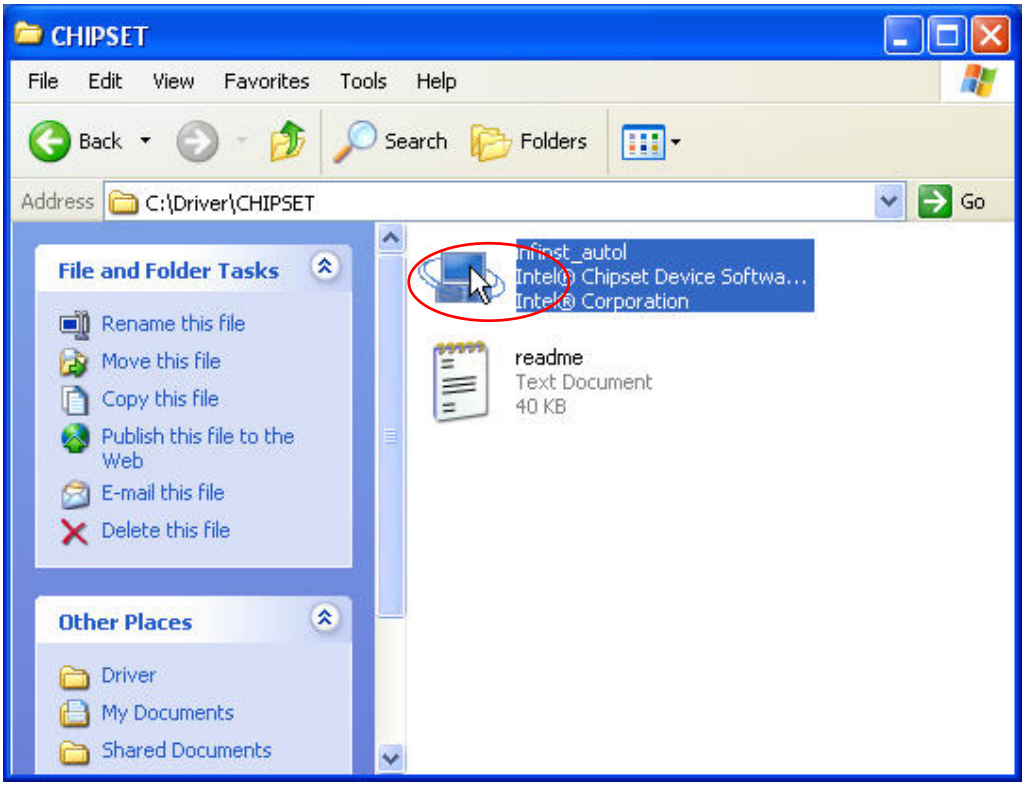
The CD has all the necessary drivers to setup **PP-9265/PP-9267**.

Driver installation sequence:

Chipset (should be the first step) -> Graphics -> Ethernet -> Audio-> TouchScreen

Intel Chip Set Driver Installation for Windows XP Operating Systems

1. Insert the CD into your CD ROM Drive.
2. **Locate D:\Driver\chipset folder**
3. Double click **infinst_autol.exe**



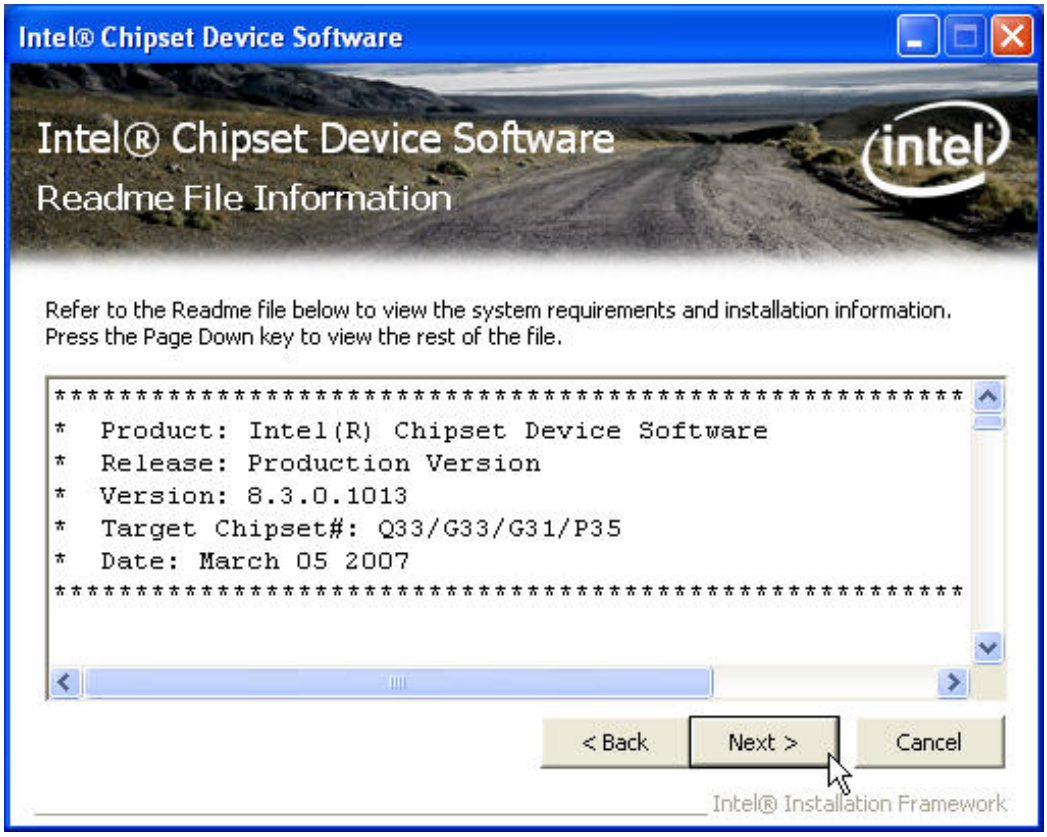
4. Click **Next**.

Intel® Chipset Device Software
Intel® Chipset Device Software
Welcome to the Setup Program
This setup program will install the Intel® Chipset Device Software onto this computer. It is strongly recommended that you exit all Windows* programs before continuing.
< Back
Next
Cancel
Intel® Installation Framework

5. Read the License Agreement and click **Yes**.

Intel® Chipset Device Software
Intel® Chipset Device Software
License Agreement
You must accept all of the terms of the license agreement in order to continue the setup program. Do you accept the terms?
INTEL SOFTWARE LICENSE AGREEMENT (OEM / IHV / ISV Distribution & Single User)
IMPORTANT - READ BEFORE COPYING, INSTALLING OR USING.
Do not use or load this software and any associated materials (collectively, the "Software") until you have carefully read the following terms and conditions. By loading or using the Software, you agree to the terms of this Agreement. If you do not wish to so agree, do not install or use the Software.
Please Also Note:
* If you are an Original Equipment Manufacturer (OEM), Independent Hardware Vendor (IHV), or Independent Software Vendor (ISV), this complete LICENSE AGREEMENT applies;
< Back
Yes
No
Intel® Installation Framework

6. Click **Next** and **finished** the drivers for the Intel Chip set will install.


Intel® Chipset Device Software
Intel® Chipset Device Software
Readme File Information
intel
Refer to the Readme file below to view the system requirements and installation information.
Press the Page Down key to view the rest of the file.
****
* Product: Intel(R) Chipset Device Software
* Release: Production Version
* Version: 8.3.0.1013
* Target Chipset#: Q33/G33/G31/P35
* Date: March 05 2007
****
< Back
Next >
Cancel
Intel® Installation Framework

7. When the 'Setup COMPLETE' message appears click **Finish** to restart your computer.

Intel® Chipset Device Software
Intel® Chipset Device Software
Setup Progress
intel
Please wait while the following setup operations are performed:
Installing Driver: Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C9
Version: 8.2.0.1008
Installing Driver: Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CA
Version: 8.2.0.1008
Installing Driver: Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CB
Version: 8.2.0.1008
Installing Driver: Intel(R) 82801G (ICH7 Family) USB2 Enhanced Host Controller - 27CC
Version: 8.2.0.1008
Click Next to continue.
Next
Intel® Installation Framework

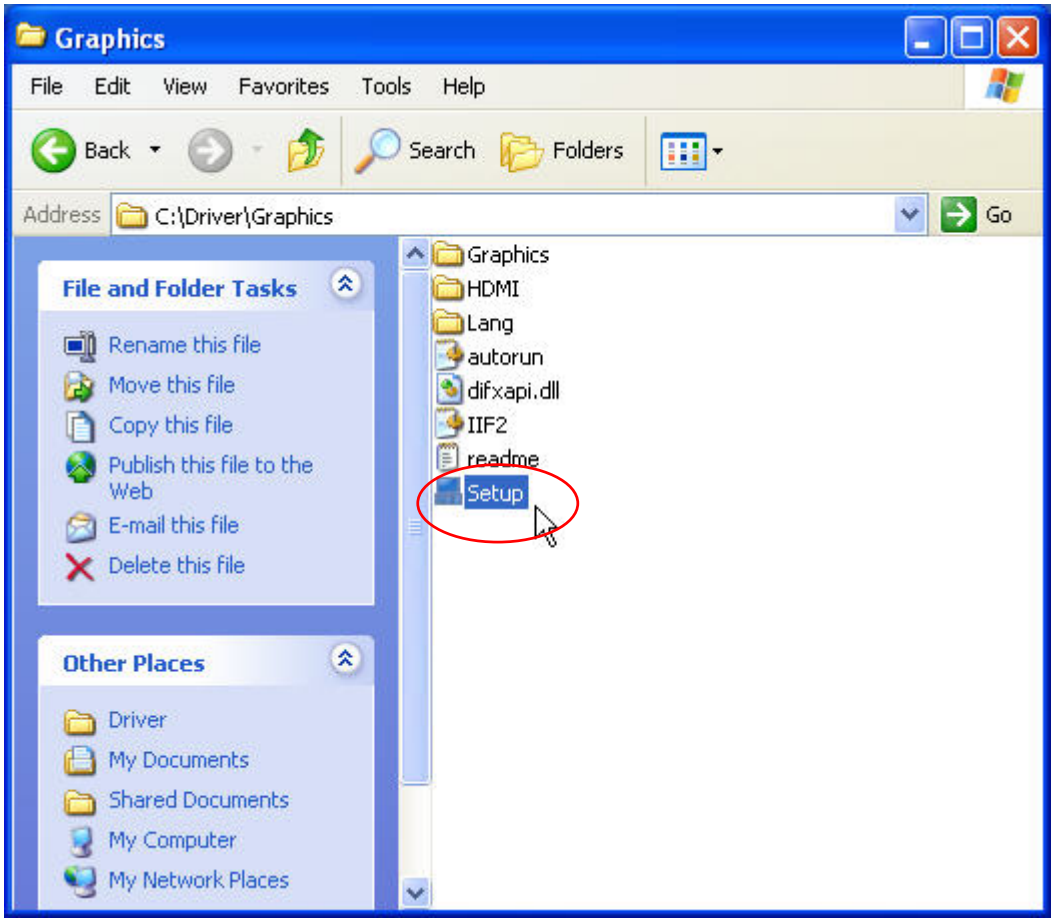
Intel® Chipset Device Software
Intel® Chipset Device Software
Setup Is Complete
intel
You must restart this computer for the changes to take effect. Would you like to restart the computer now?
Yes, I want to restart this computer now.
No, I will restart this computer later.
Click Finish, then remove any installation media from the drives.
Finish
Intel® Installation Framework

Graphics Driver Installation

PP-9260 series uses only one chipset "Intel 945GME" that is capable of driving a single or dual panel display. Only one driver needs to be installed.

945GME GraphicsM driver installation Windows 2000 & XP

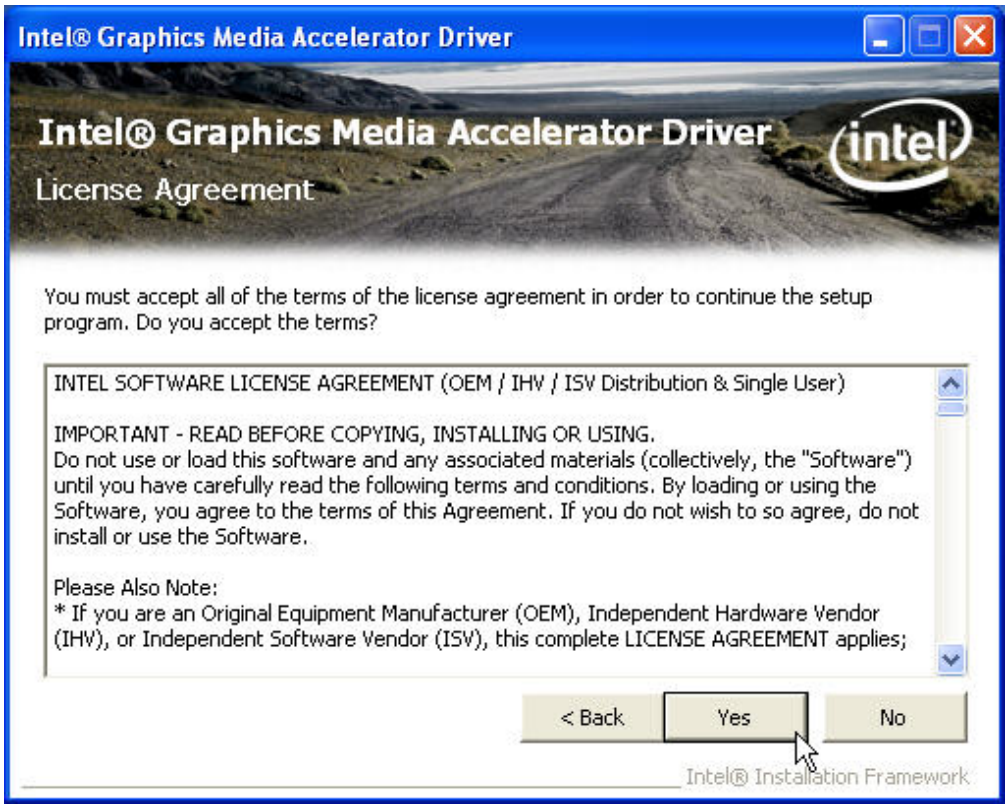
1. Open D:\Driver\Graphics folder
2. Run **setup.exe**



3. Select **Next** to continue.

Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
Welcome to the Setup Program
This setup program will install the Intel® Graphics Media Accelerator Driver onto this computer. It is strongly recommended that you exit all programs before continuing. Click Next to continue.
< Back
Next >
Cancel
Intel® Installation Framework

4. Read the License Agreement and click **Yes**.


Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
License Agreement
You must accept all of the terms of the license agreement in order to continue the setup program. Do you accept the terms?
INTEL SOFTWARE LICENSE AGREEMENT (OEM / IHV / ISV Distribution & Single User)
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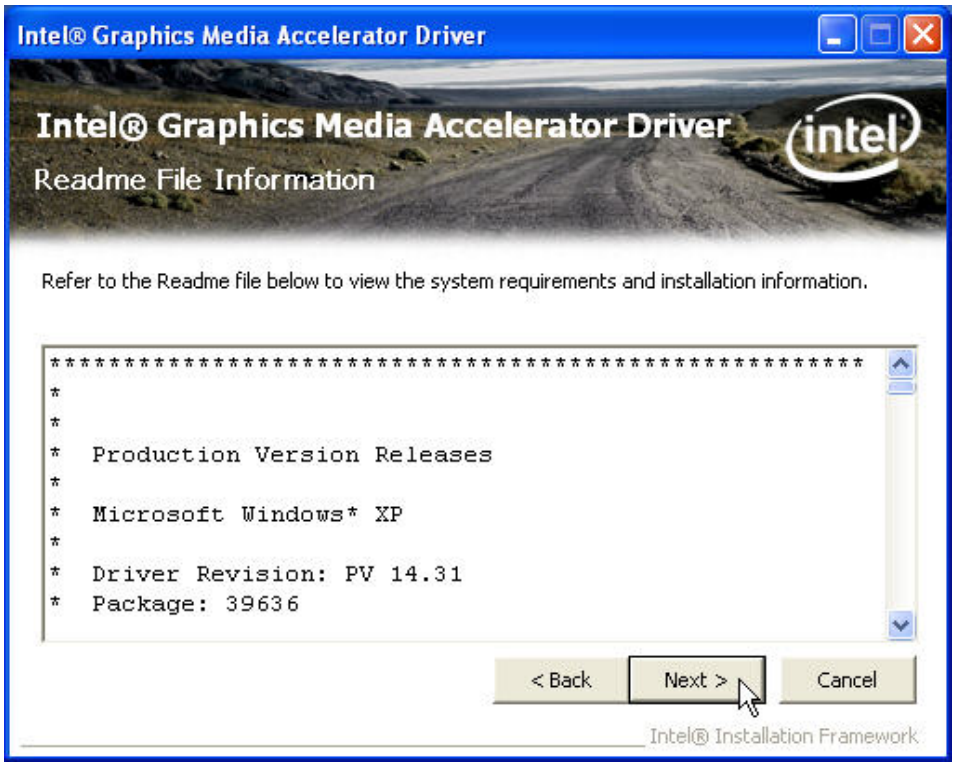
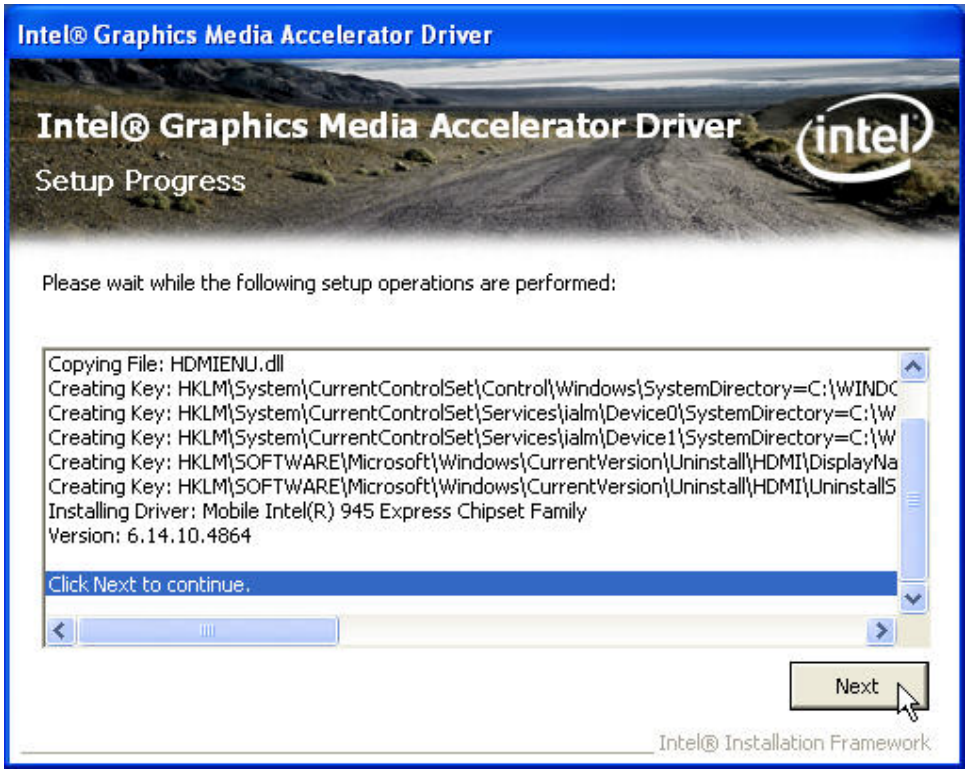
Please Also Note:
* If you are an Original Equipment Manufacturer (OEM), Independent Hardware Vendor (IHV), or Independent Software Vendor (ISV), this complete LICENSE AGREEMENT applies;
< Back
Yes
No
Intel® Installation Framework

5. Click **Next** to continue the setup procedures and click **Finish** to complete the installation. (Need to restart computer to active the settings)



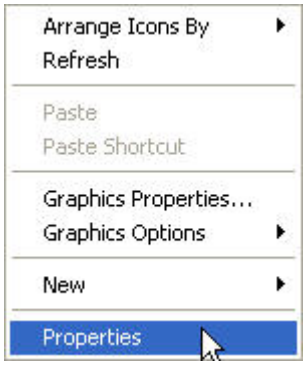


Intel® Graphics Media Accelerator Driver
Intel® Graphics Media Accelerator Driver
Setup Is Complete
intel
You must restart this computer for the changes to take effect. Would you like to restart the computer now?
Yes, I want to restart this computer now.
No, I will restart this computer later.
Click Finish, then remove any installation media from the drives.
Finish
Intel® Installation Framework

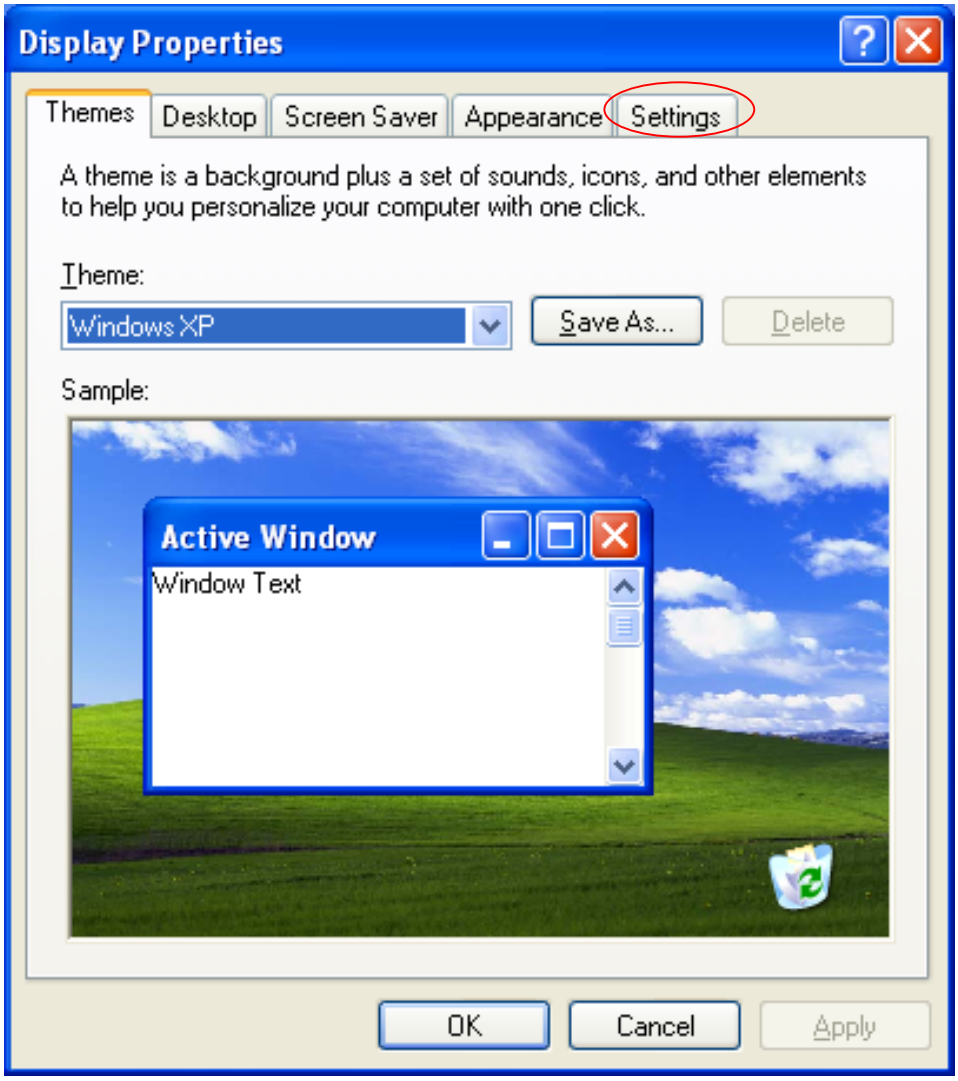
Enable second Display

After you have installed the Graphics driver you must adjust the settings for the second display .

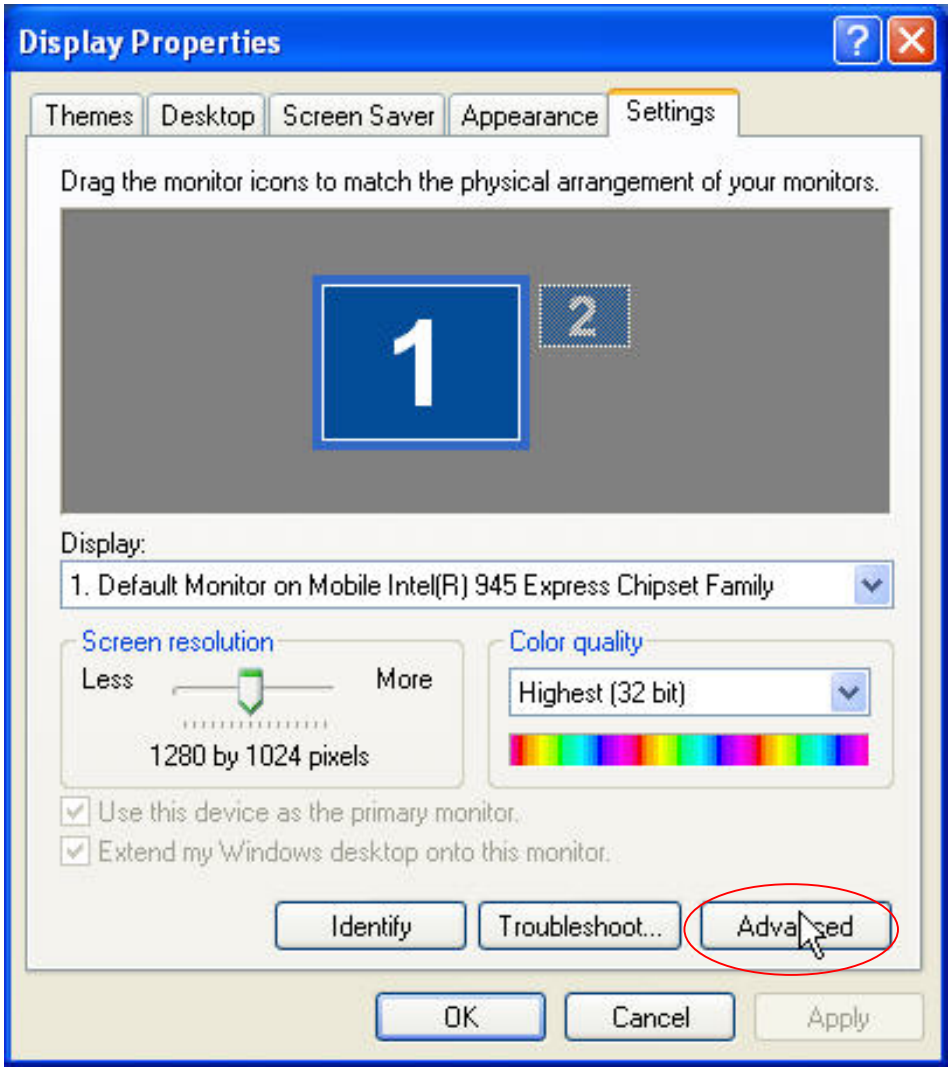
5. Right click your mouse anywhere on the desktop then click **properties**.



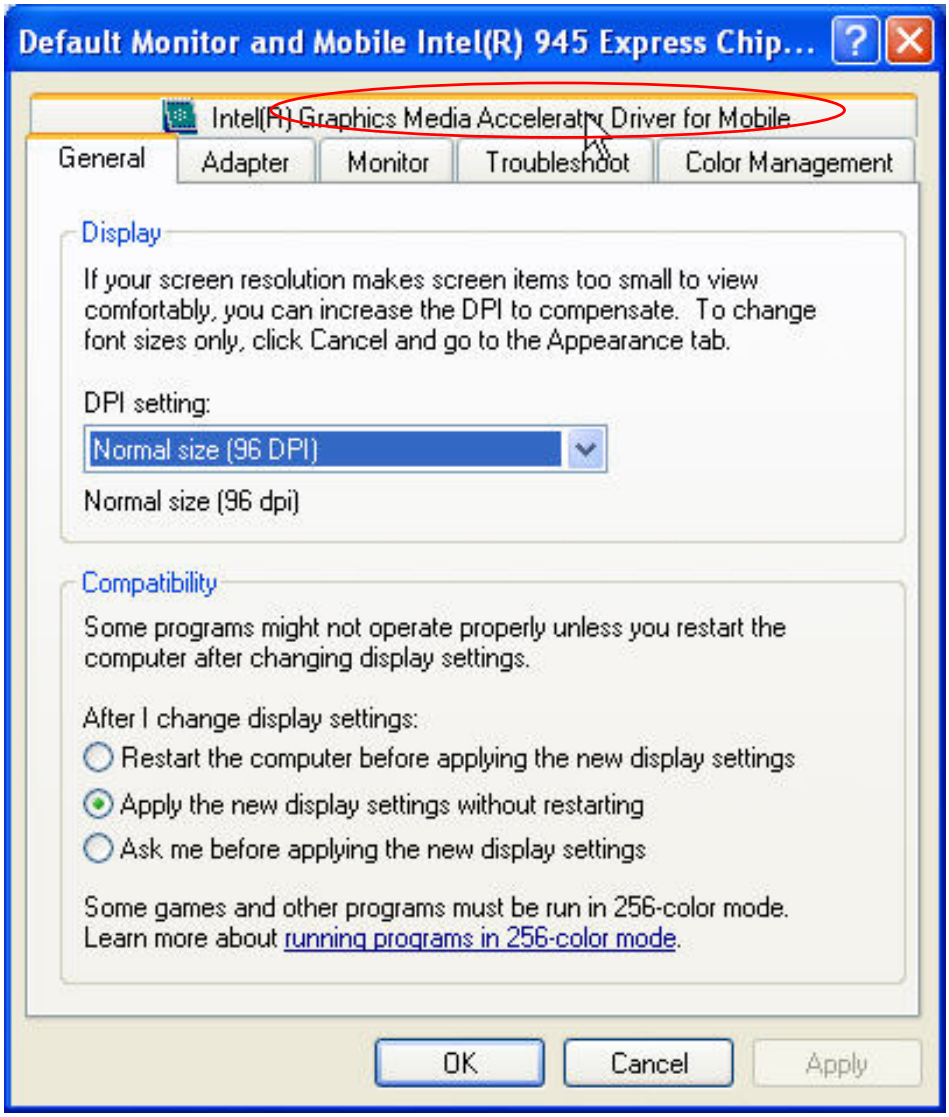
6. Click the **settings** tab.



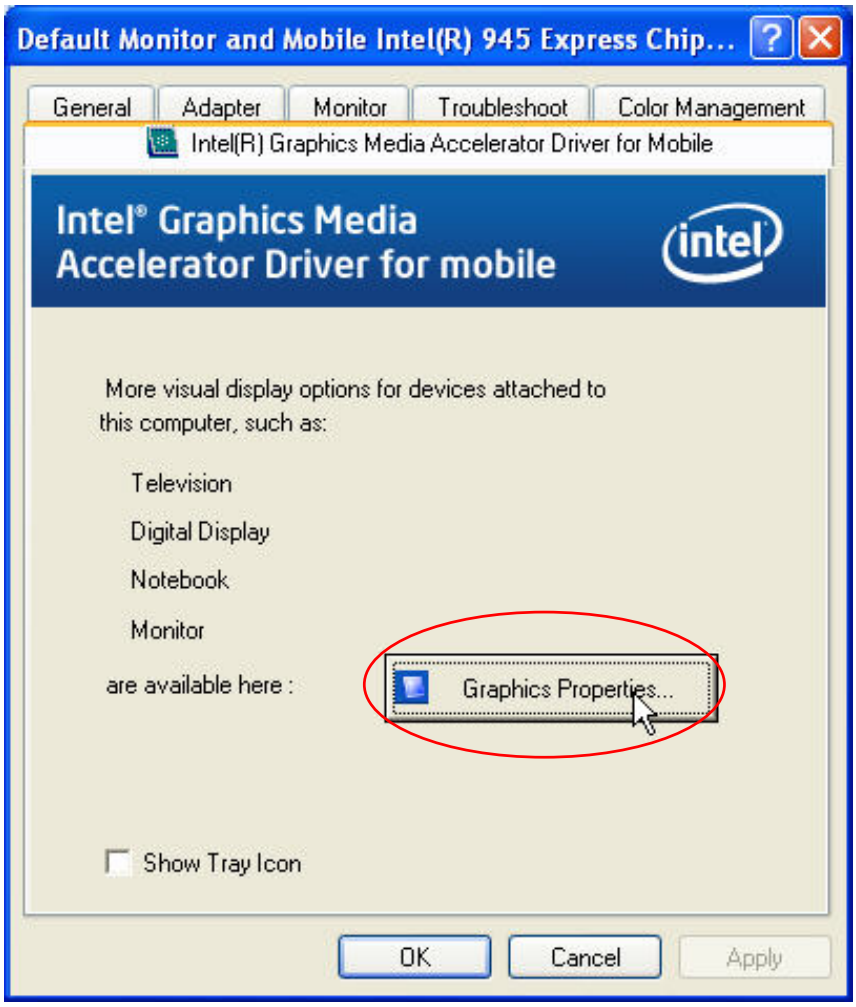
7. Click **Advanced**.



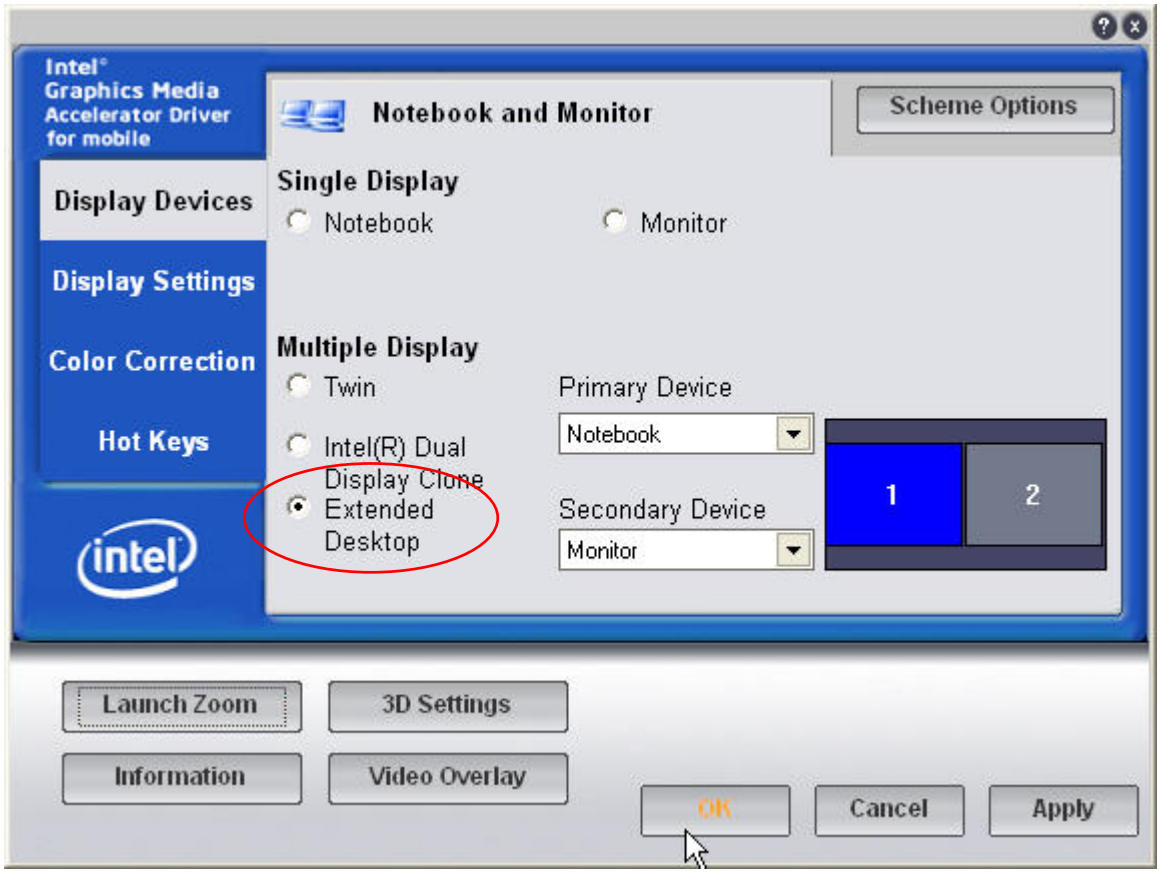
8. Click **Intel(R) Graphics. Media Accelerator Driver For Mobile**


Default Monitor and Mobile Intel(R) 945 Express Chip...
Intel(R) Graphics Media Accelerator Driver for Mobile
General
Adapter
Monitor
Troubleshoot
Color Management
Display
If your screen resolution makes screen items too small to view comfortably, you can increase the DPI to compensate. To change font sizes only, click Cancel and go to the Appearance tab.
DPI setting:
Normal size (96 DPI)
Normal size (96 dpi)
Compatibility
Some programs might not operate properly unless you restart the computer after changing display settings.
After I change display settings:
Restart the computer before applying the new display settings
Apply the new display settings without restarting
Ask me before applying the new display settings
Some games and other programs must be run in 256-color mode.
Learn more about running programs in 256-color mode.
OK
Cancel
Apply

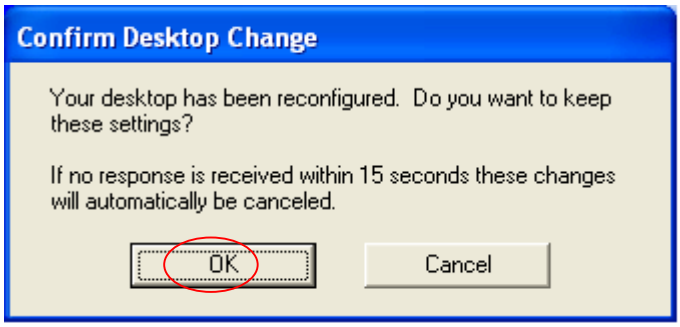
9. Click **Graphics Properties**.



10. Click **Extended Desktop** and select **Notebook** for primary device, **monitor** for secondary device.



11. Click **OK.**


Confirm Desktop Change
Your desktop has been reconfigured. Do you want to keep these settings?
If no response is received within 15 seconds these changes will automatically be canceled.
OK
Cancel

12. Select the second LCD panel. This is done either by clicking on the number 2 or selecting from the dropdown menu.

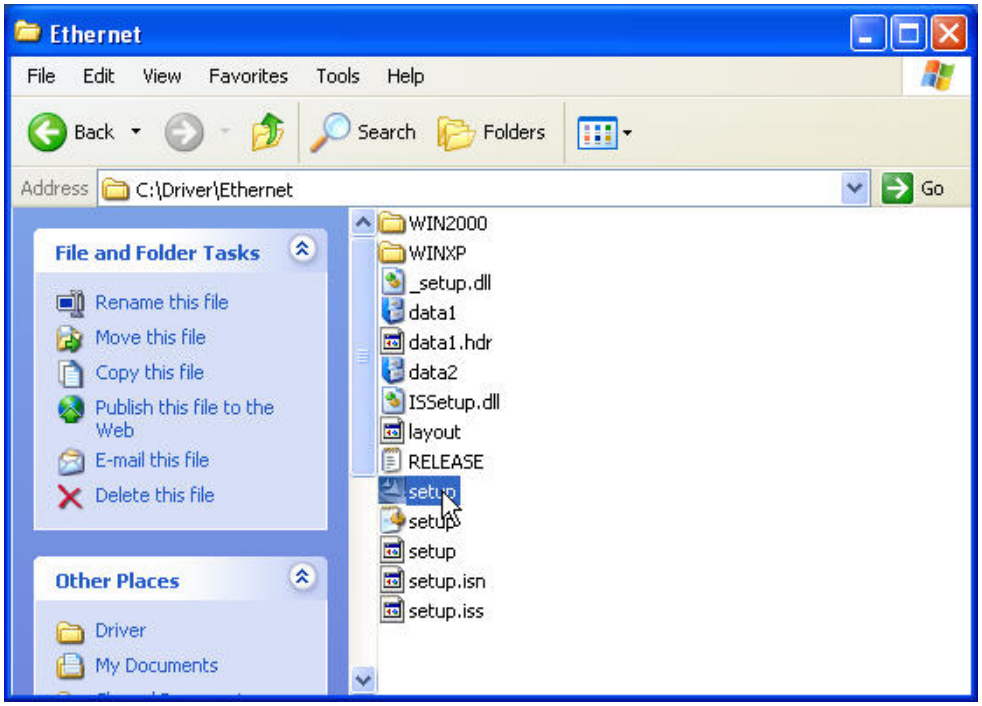
For the second LCD panel make sure that **Extend my Windows desktop onto this monitor** is selected.

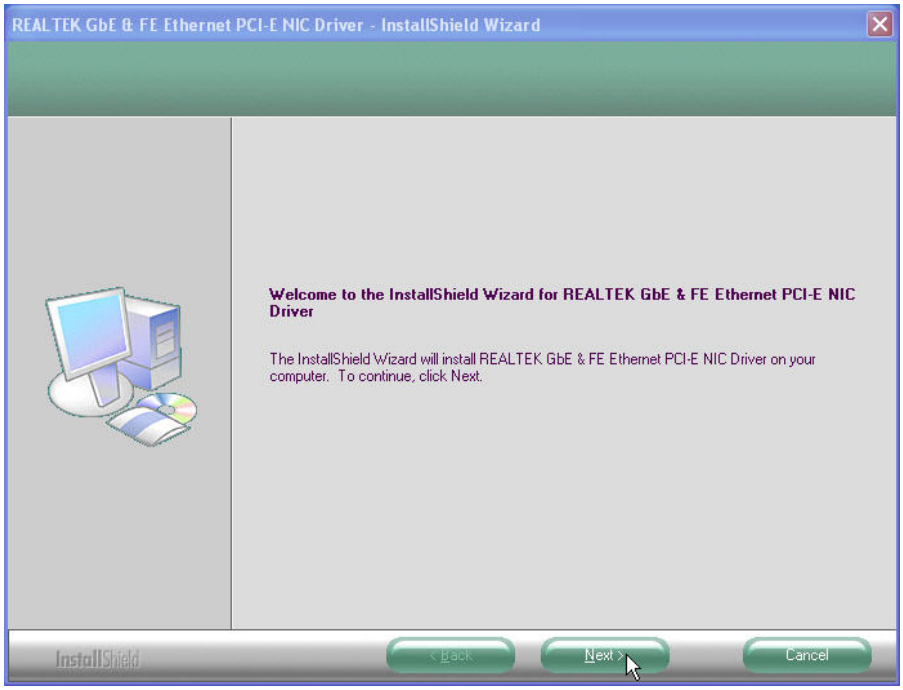
13. Click **Apply** then click **OK** to finish the settings.

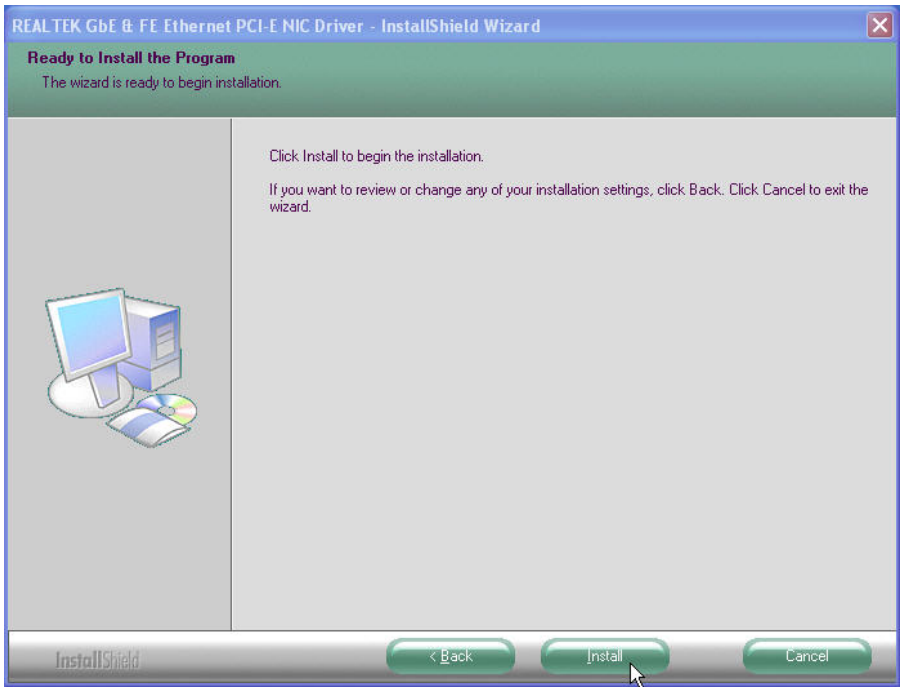
Note. During boot sequence "**No Sync**" will appear on the second LCD panel.
The boot sequence can take a minute or so when a second LCD panel is installed.

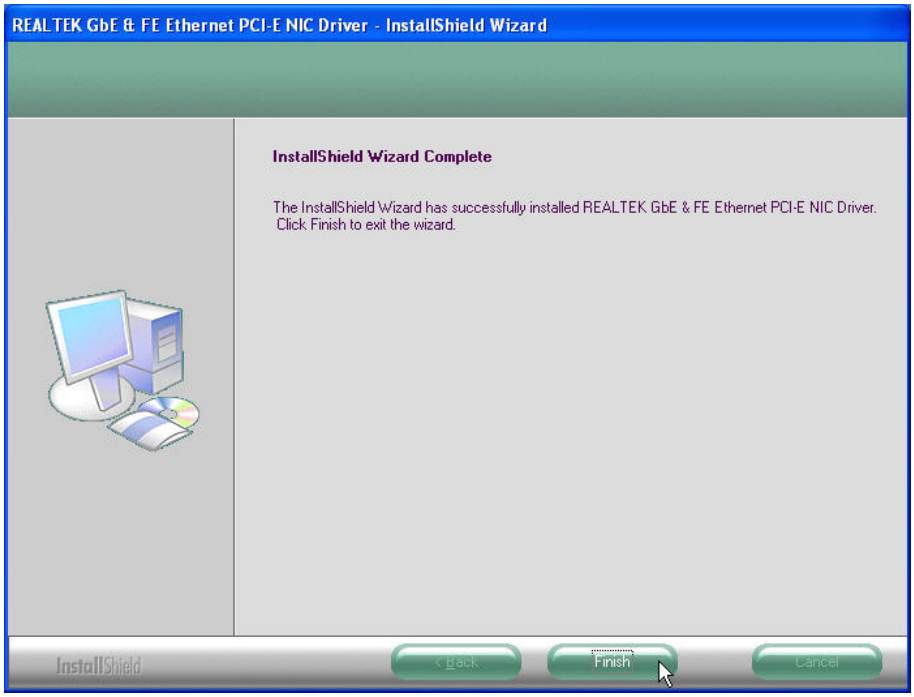
Ethernet Driver Installation

1. Open D:\Driver\Ethernet folder
2. Run **setup.exe** and system will automatically install the driver
3. Click **Finish**



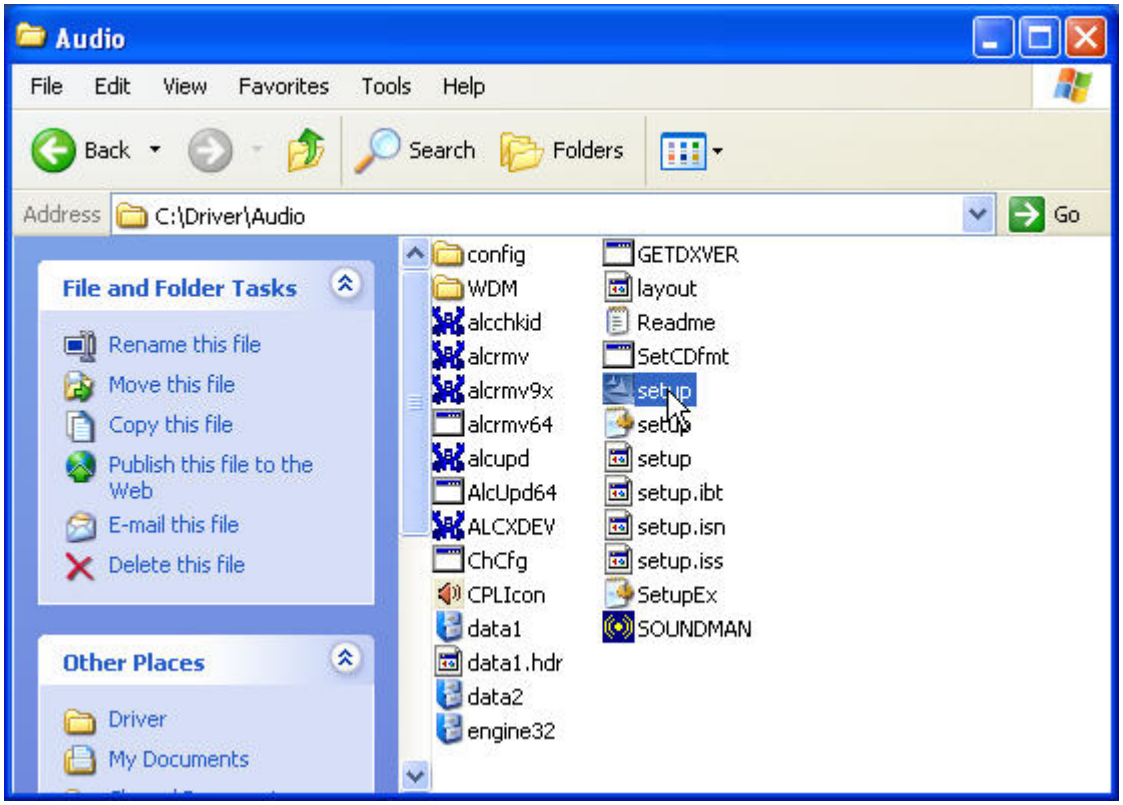

REALTEK GbE & FE Ethernet PCI-E NIC Driver - InstallShield Wizard
Welcome to the InstallShield Wizard for REALTEK GbE & FE Ethernet PCI-E NIC Driver
The InstallShield Wizard will install REALTEK GbE & FE Ethernet PCI-E NIC Driver on your computer. To continue, click Next.
InstallShield
< Back
Next >
Cancel


REALTEK GbE & FE Ethernet PCI-E NIC Driver - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

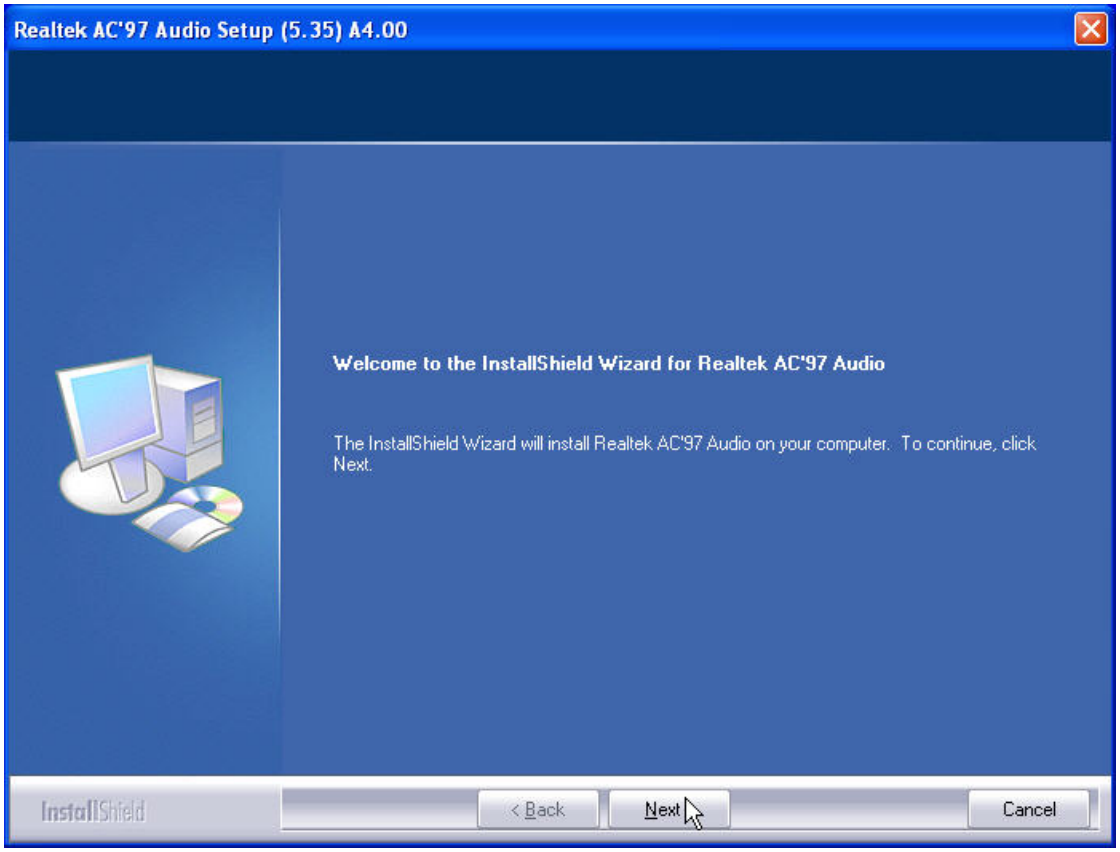

REALTEK GbE & FE Ethernet PCI-E NIC Driver - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed REALTEK GbE & FE Ethernet PCI-E NIC Driver. Click Finish to exit the wizard.
InstallShield
< Back
Finish
Cancel

Audio Driver Installation

1. Open **D:\Driver\Audio**
2. Double click **Setup.exe**. and system will automatically install the driver

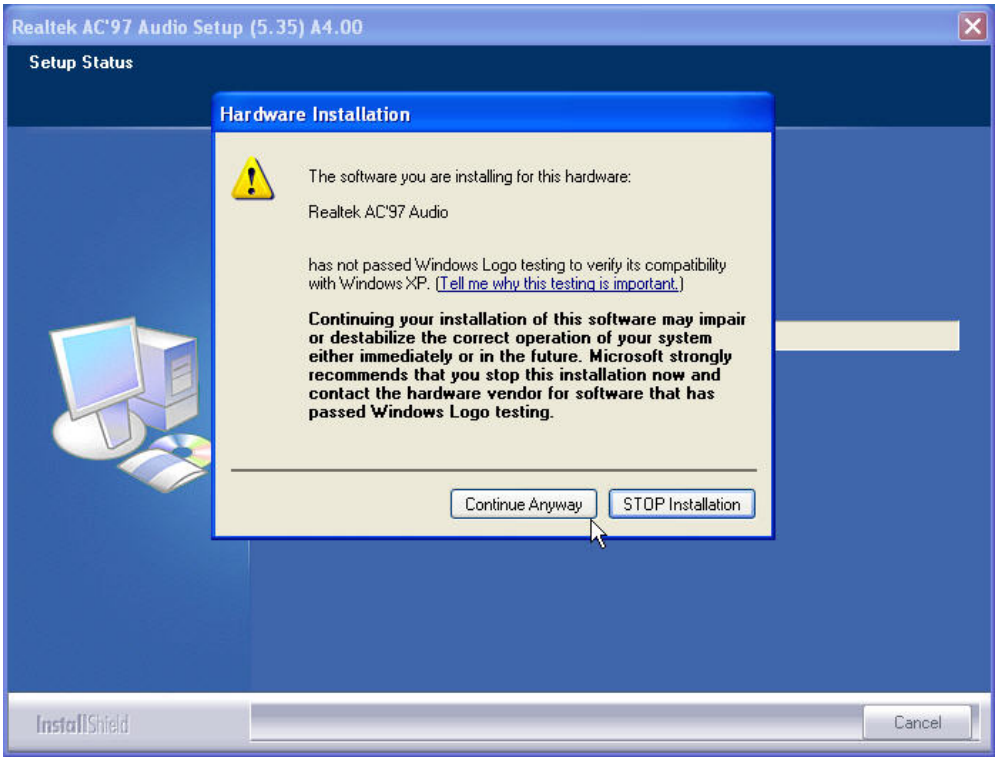


3. Click **Next** to continue

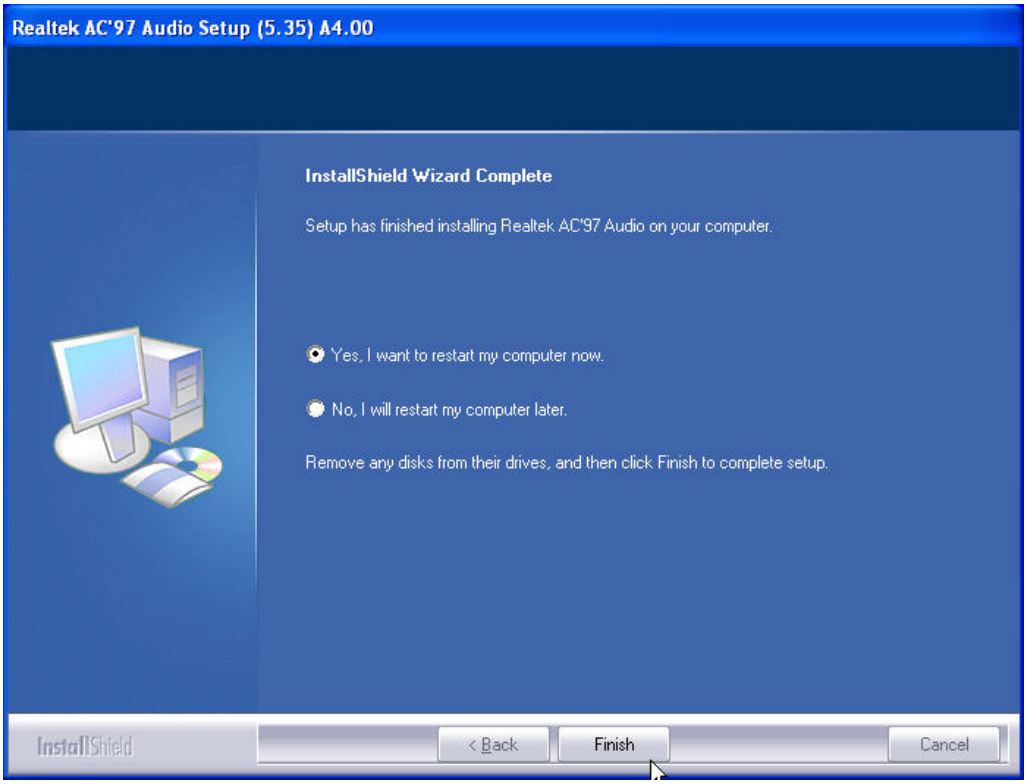

Realtek AC'97 Audio Setup (5.35) A4.00
Welcome to the InstallShield Wizard for Realtek AC'97 Audio
The InstallShield Wizard will install Realtek AC'97 Audio on your computer. To continue, click Next.
InstallShield
< Back
Next
Cancel

4. Click **Continue Anyway**

Note: For XP If you receive this warning message, please click **Continue Anyway.**

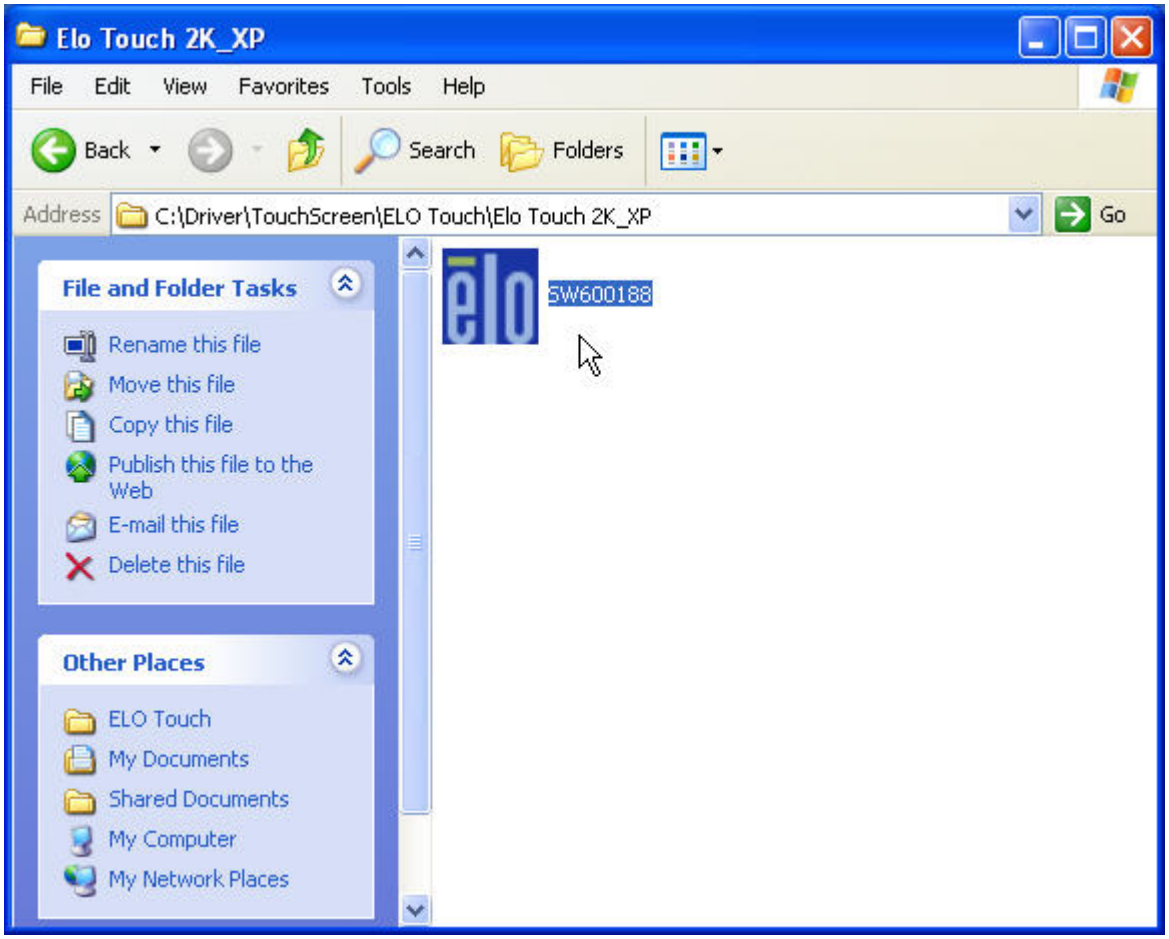

Realtek AC'97 Audio Setup (5.35) A4.00
Setup Status
Hardware Installation
The software you are installing for this hardware:
Realtek AC'97 Audio
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation
InstallShield
Cancel

5. Click **Finish**


Realtek AC'97 Audio Setup (5.35) A4.00
InstallShield Wizard Complete
Setup has finished installing Realtek AC'97 Audio on your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
InstallShield
< Back
Finish
Cancel

TouchScreen Driver Installation (Elo Resistive/IR touch)

1. Locate **D:\Utility\TouchScreen\ELO Touch**
2. Select the **Elo Touch 2K_XP** folder
3. Run **SW600188.exe**



4. Click **OK**

WinZip Self-Extractor
Welcome to Elo Universal Driver for Windows XP/2000 Installer.
Driver Version 4.6.3 (05-15-2007)
Click OK to continue.
OK

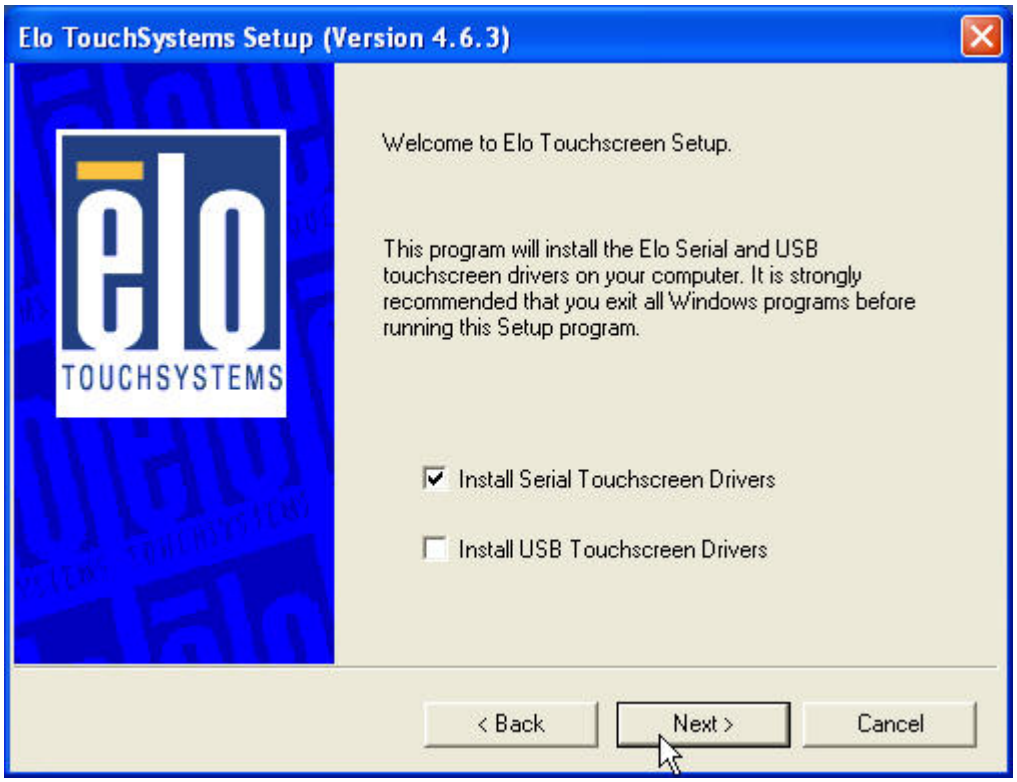
5. Click "**Unzip**" to continue.

6. Click "**OK**"

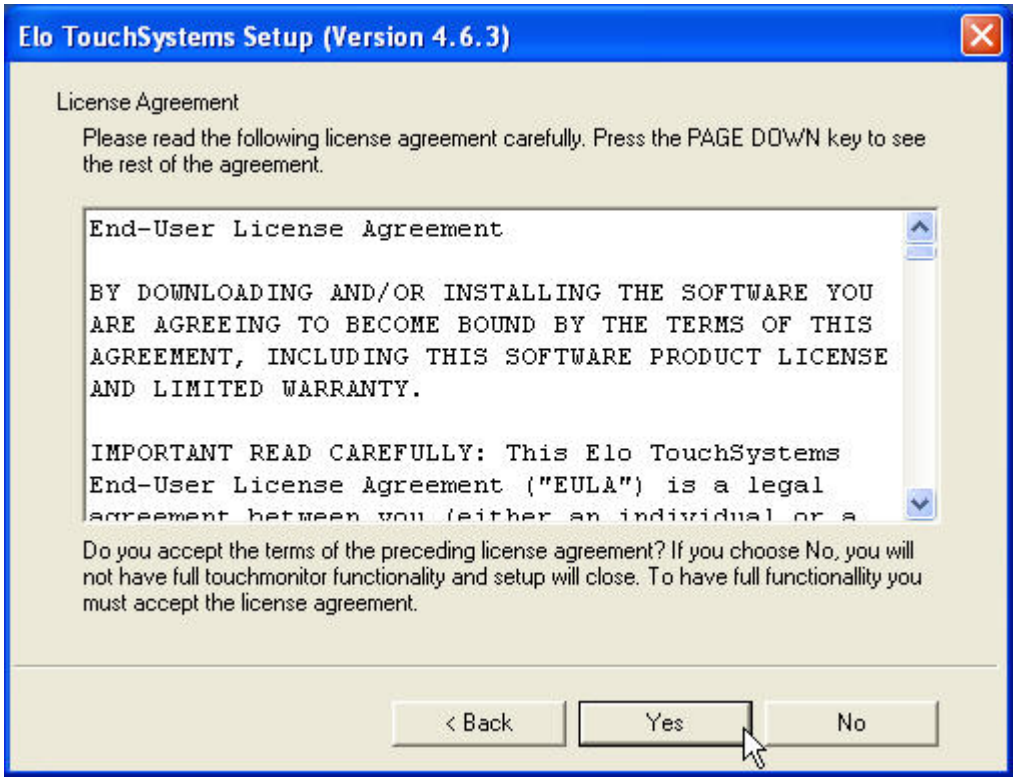
7. Click "**Default**" and **Next**

Elo TouchSystems Setup (Version 4.6.3)
TOUCHSYSTEMS
Pick the default language for the Elo XP Universal Driver package.
All Elo applications will be displayed in the language selected below.
Default
Next >
Cancel

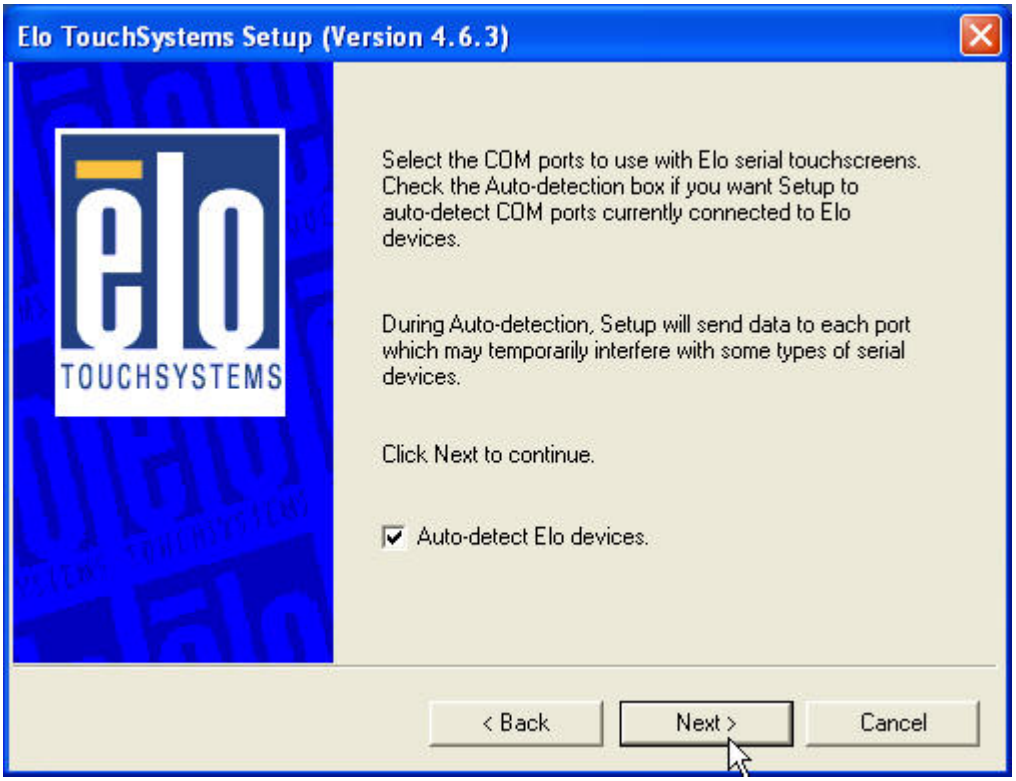
8. Select "**Install Serial Touchscreen Drivers"** and click **Next**


Elo TouchSystems Setup (Version 4.6.3)
TOUCHSYSTEMS
Welcome to Elo Touchscreen Setup.
This program will install the Elo Serial and USB touchscreen drivers on your computer. It is strongly recommended that you exit all Windows programs before running this Setup program.
Install Serial Touchscreen Drivers
Install USB Touchscreen Drivers
< Back
Next >
Cancel

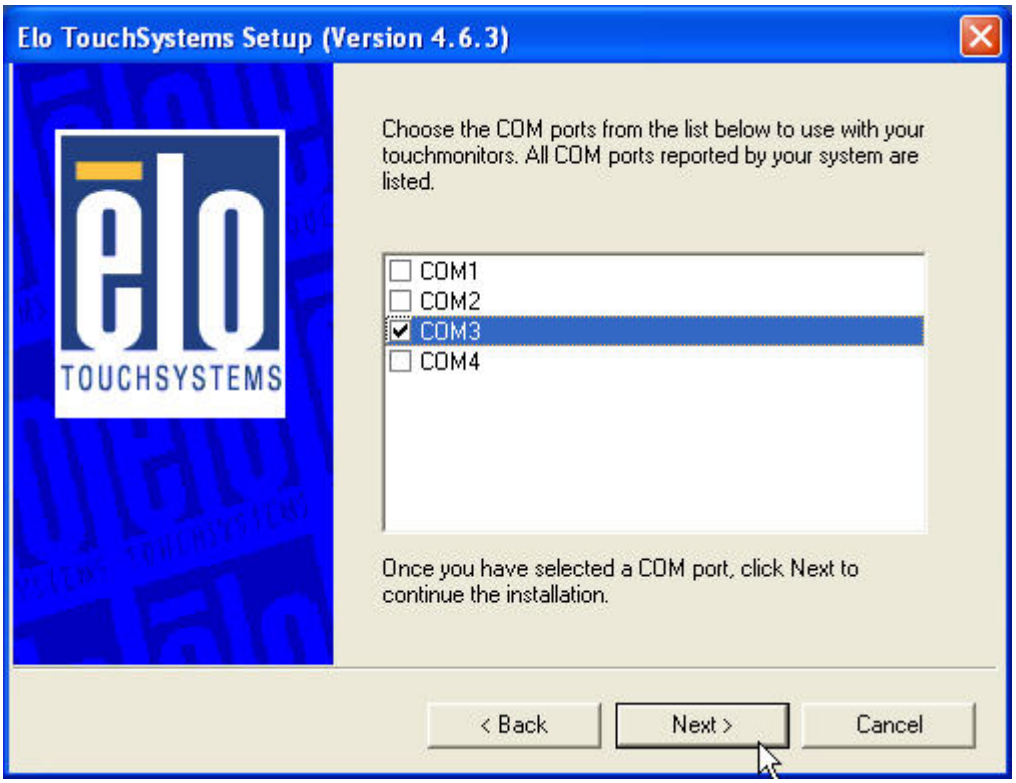
9. Click **Yes**


Elo TouchSystems Setup (Version 4.6.3)
License Agreement
Please read the following license agreement carefully. Press the PAGE DOWN key to see the rest of the agreement.
End-User License Agreement
BY DOWNLOADING AND/OR INSTALLING THE SOFTWARE YOU ARE AGREEING TO BECOME BOUND BY THE TERMS OF THIS AGREEMENT, INCLUDING THIS SOFTWARE PRODUCT LICENSE AND LIMITED WARRANTY.
IMPORTANT READ CAREFULLY: This Elo TouchSystems End-User License Agreement ("EULA") is a legal
Do you accept the terms of the preceding license agreement? If you choose No, you will not have full touchmonitor functionality and setup will close. To have full functionallity you must accept the license agreement.
< Back
Yes
No

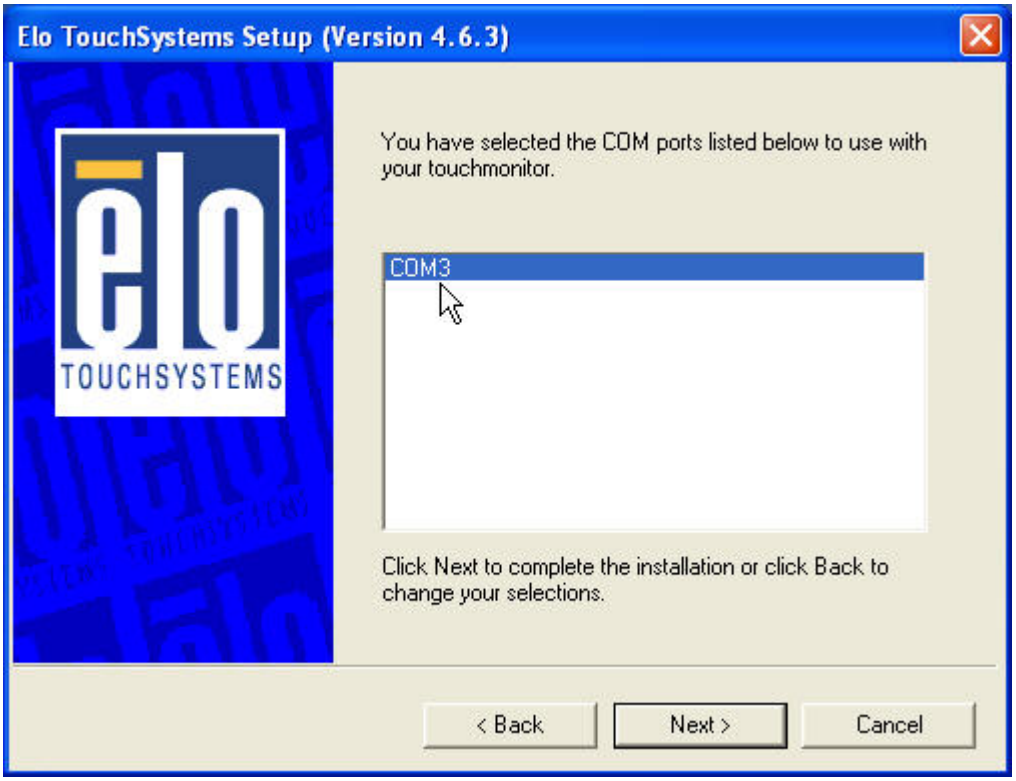
10. Select "**Auto-detect Elo drivers**" and Click **Next**


Elo TouchSystems Setup (Version 4.6.3)
TOUCHSYSTEMS
Select the COM ports to use with Elo serial touchscreens. Check the Auto-detection box if you want Setup to auto-detect COM ports currently connected to Elo devices.
During Auto-detection, Setup will send data to each port which may temporarily interfere with some types of serial devices.
Click Next to continue.
Auto-detect Elo devices.
< Back
Next >
Cancel

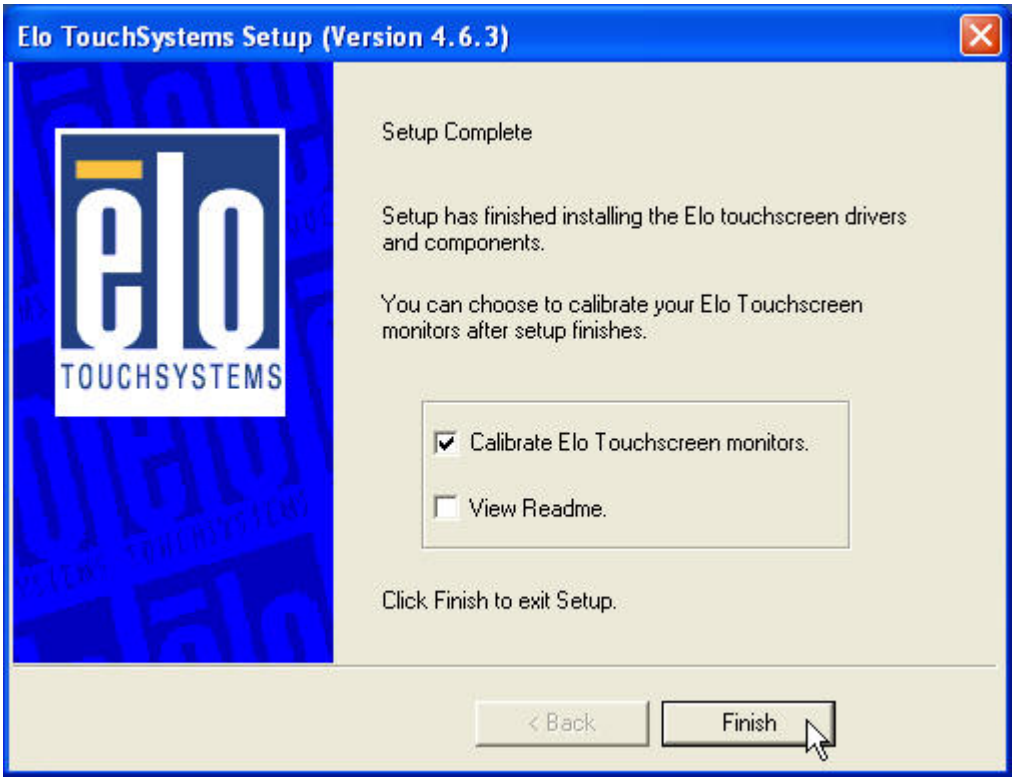
11. Select **COM 3** and **Next** .


Elo TouchSystems Setup (Version 4.6.3)
TOUCHSYSTEMS
Choose the COM ports from the list below to use with your touchmonitors. All COM ports reported by your system are listed.
COM1
COM2
COM3
COM4
Once you have selected a COM port, click Next to continue the installation.
< Back
Next >
Cancel

12. Click once on **COM 3** and click **NEXT**


Elo TouchSystems Setup (Version 4.6.3)
TOUCHSYSTEMS
You have selected the COM ports listed below to use with your touchmonitor.
COM3
Click Next to complete the installation or click Back to change your selections.
< Back
Next >
Cancel

13. Click Finish and continue the procedure of **Calibrate Elo Touchscreen**


Elo TouchSystems Setup (Version 4.6.3)
TOUCHSYSTEMS
Setup Complete
Setup has finished installing the Elo touchscreen drivers and components.
You can choose to calibrate your Elo Touchscreen monitors after setup finishes.
Calibrate Elo Touchscreen monitors.
View Readme.
Click Finish to exit Setup.
< Back
Finish

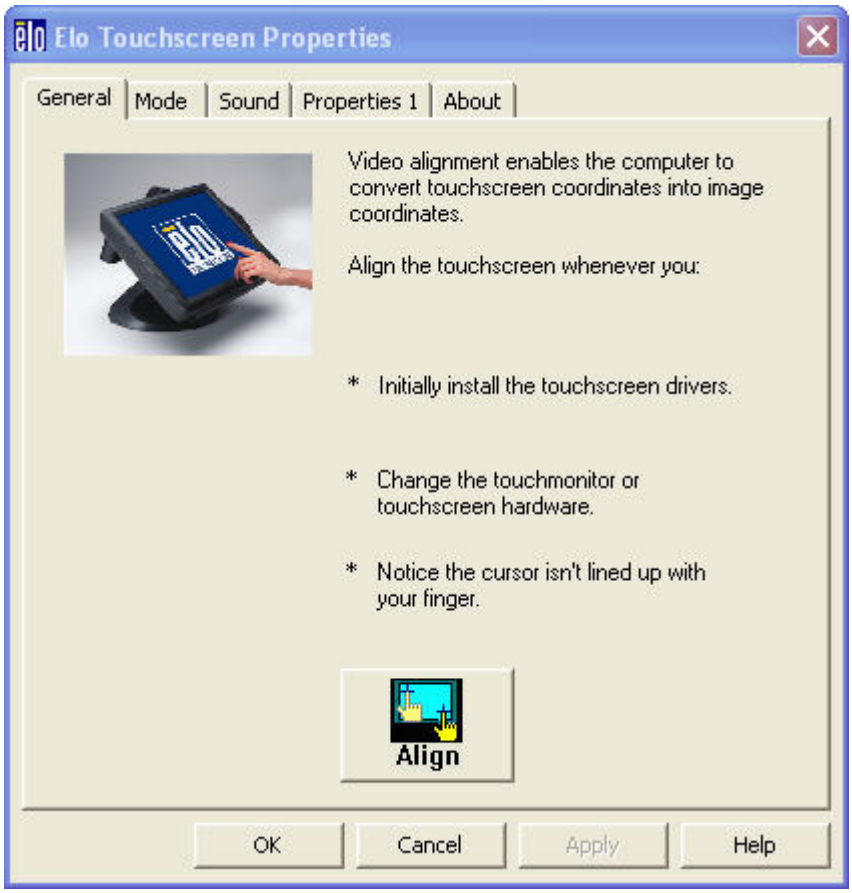
ELO Control Panel

This section explains the options in the ELO control Panel.

General tab

The general tab allows you to:

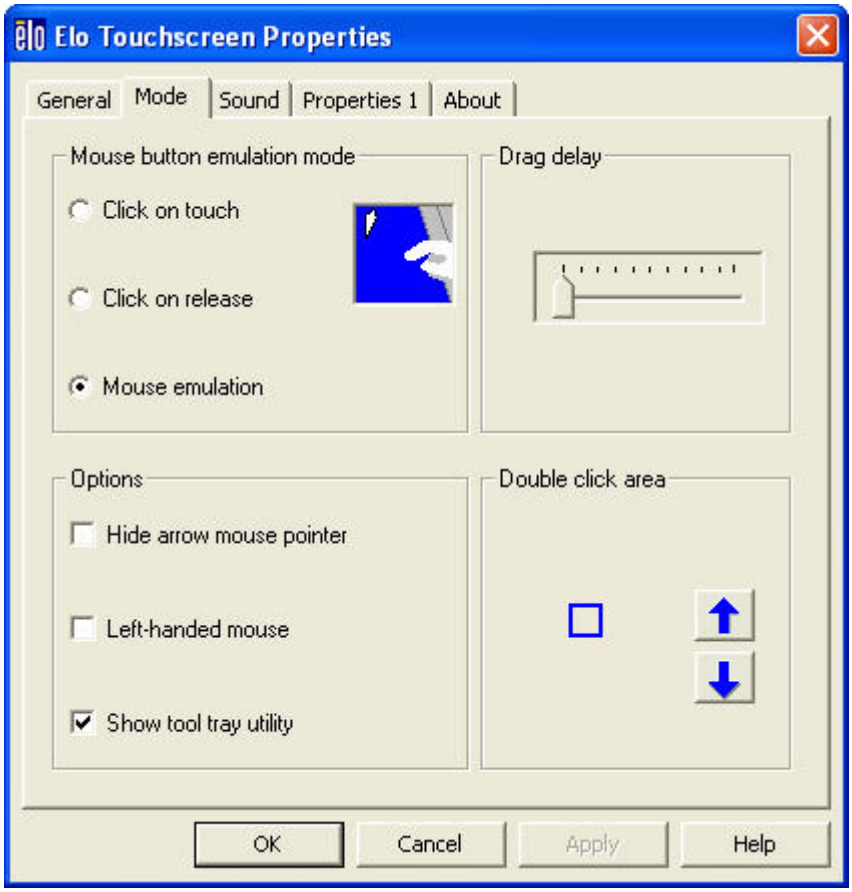
- Change the COM port your touch screen is set to.
- Calibrate the touch screen with the **Align** button.



Mode tab

The Buttons tab allows you to:

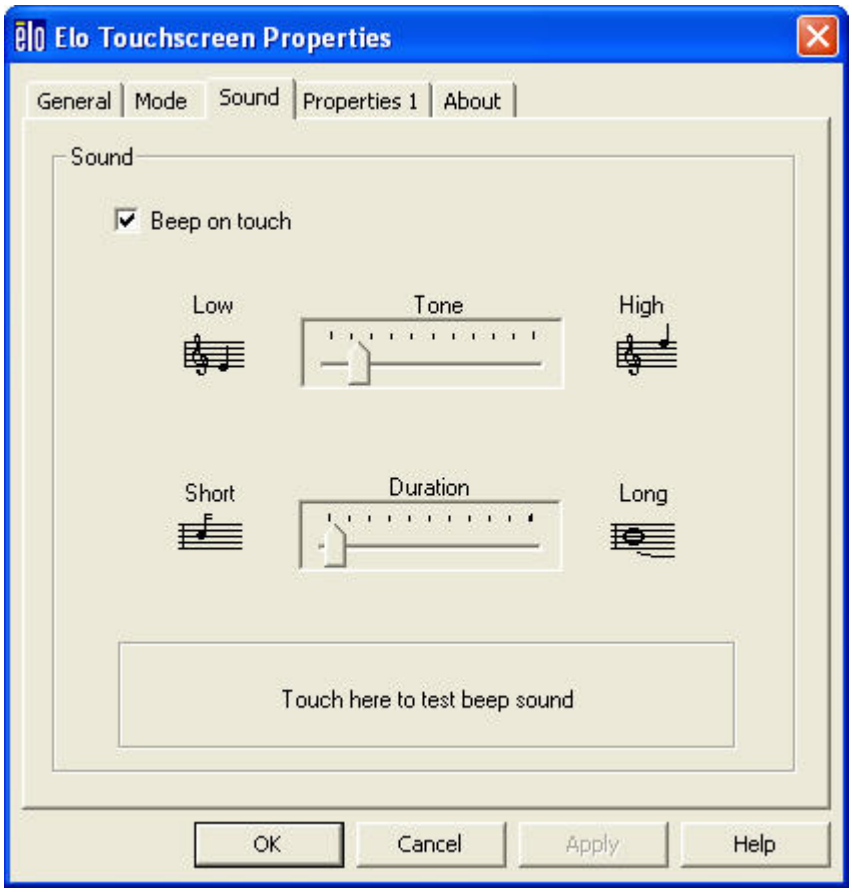
- Adjust all mouse emulation controls.
- Change cursor properties
- Enable or disable right mouse button utility.



Sound tab

The Sound tab allows you to:

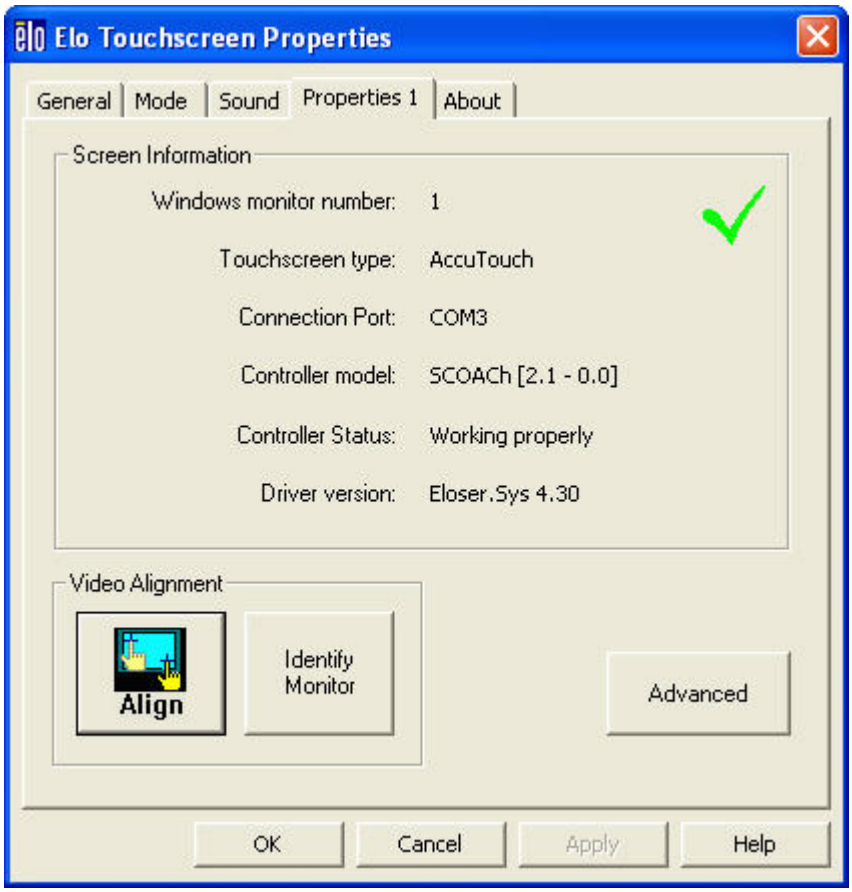
- To change sound properties for ELO touch tools.



Properties tab

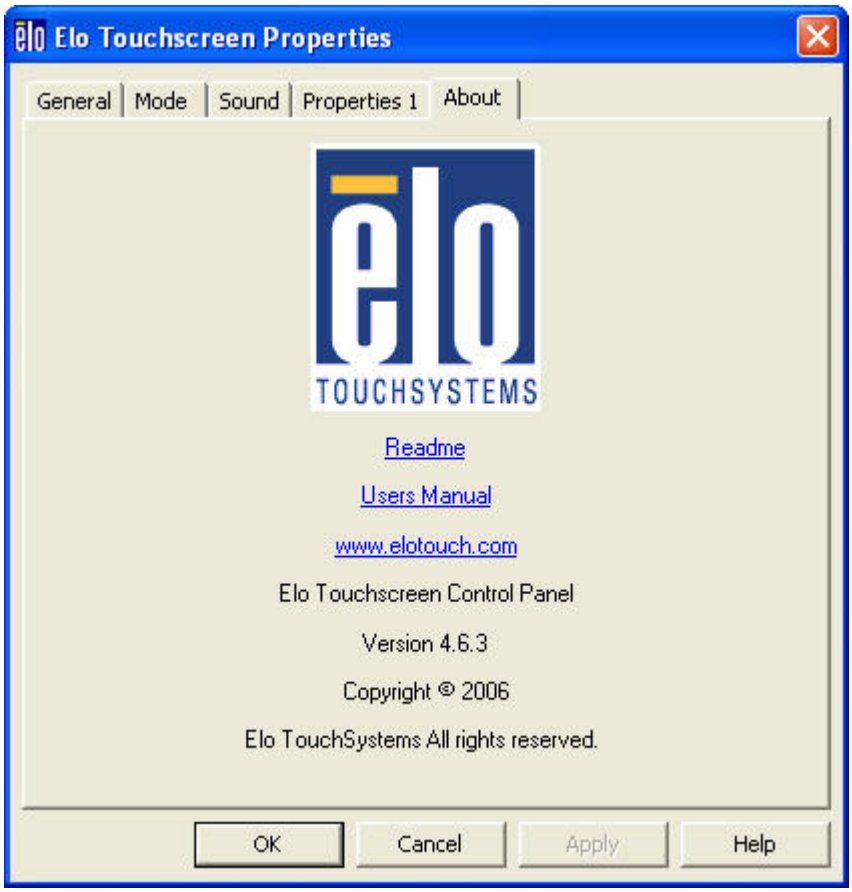
The Diagnostics tab allows you to:

- View Controller Information.



About tab

The About tab displays Information about ELO Touch systems

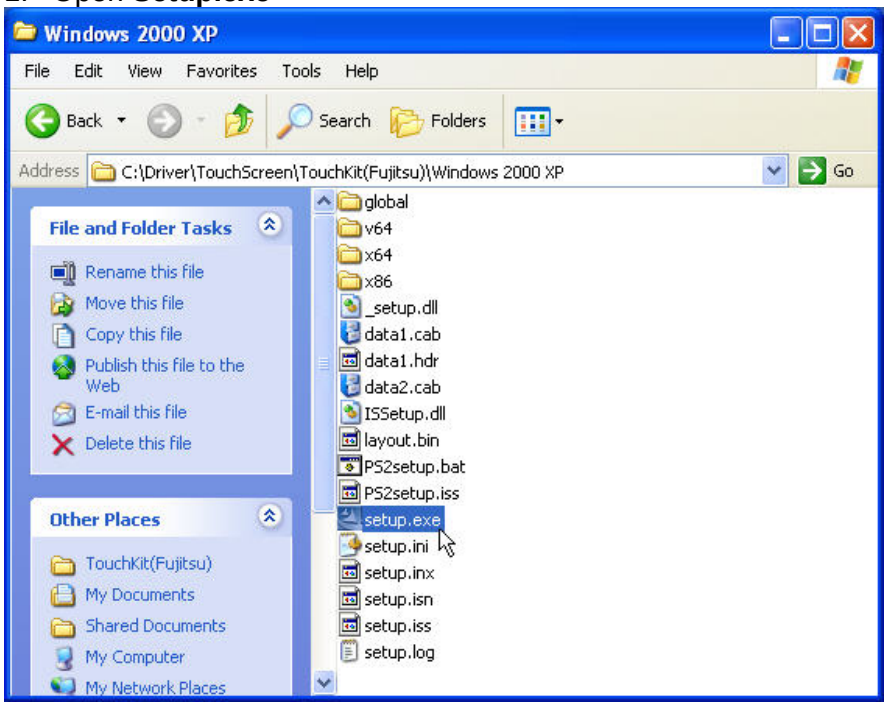

Elo Touchscreen Properties
General
Mode
Sound
Properties 1
About
TOUCHSYSTEMS
Readme
Users Manual
www.elotouch.com
Elo Touchscreen Control Panel
Version 4.6.3
Copyright © 2006
Elo TouchSystems All rights reserved.
OK
Cancel
Apply
Help

TouchKit Tools Installation

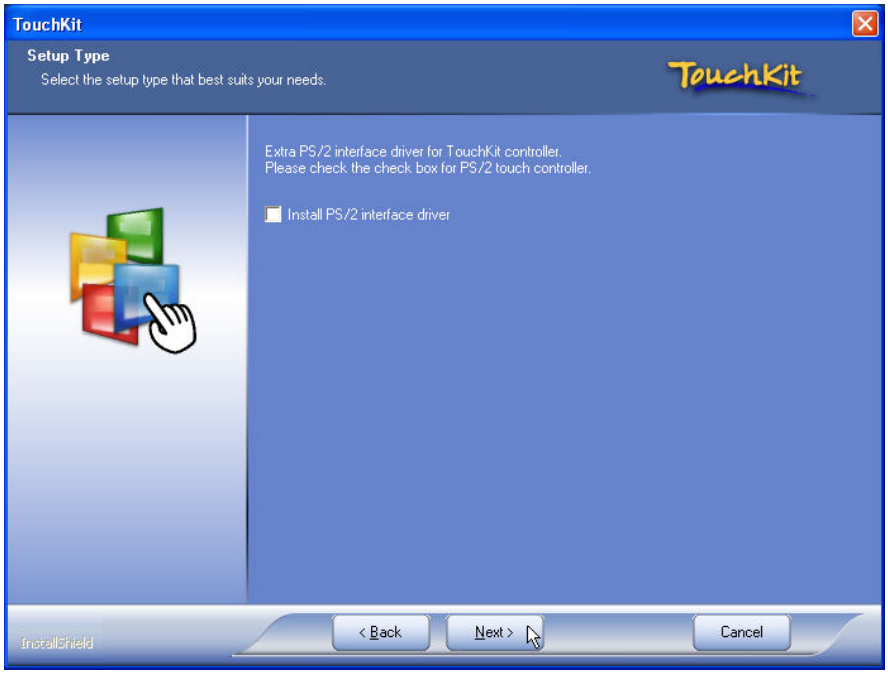
Driver Locate in **D:\Driver\TOUCHSCREEN\TouchKit(Fujitsu)\Windows 20000 XP**

.

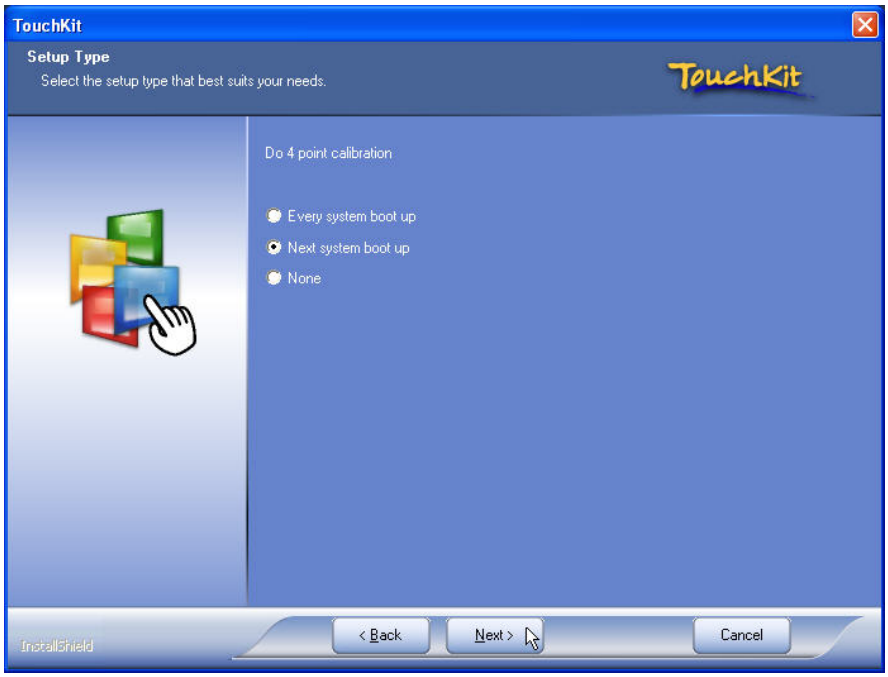
1. Open **Setup.exe**



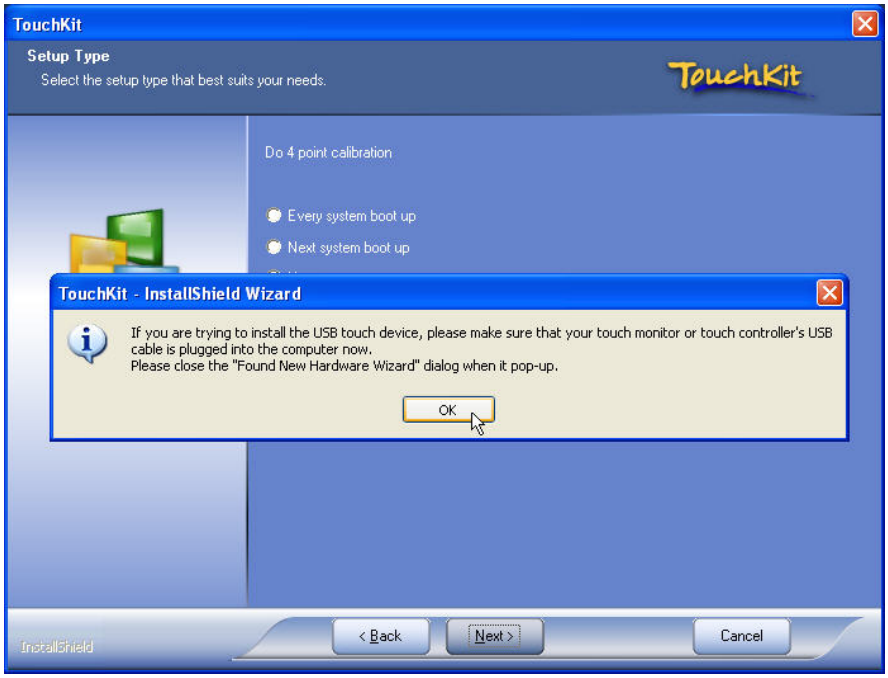
2. Click **Next**



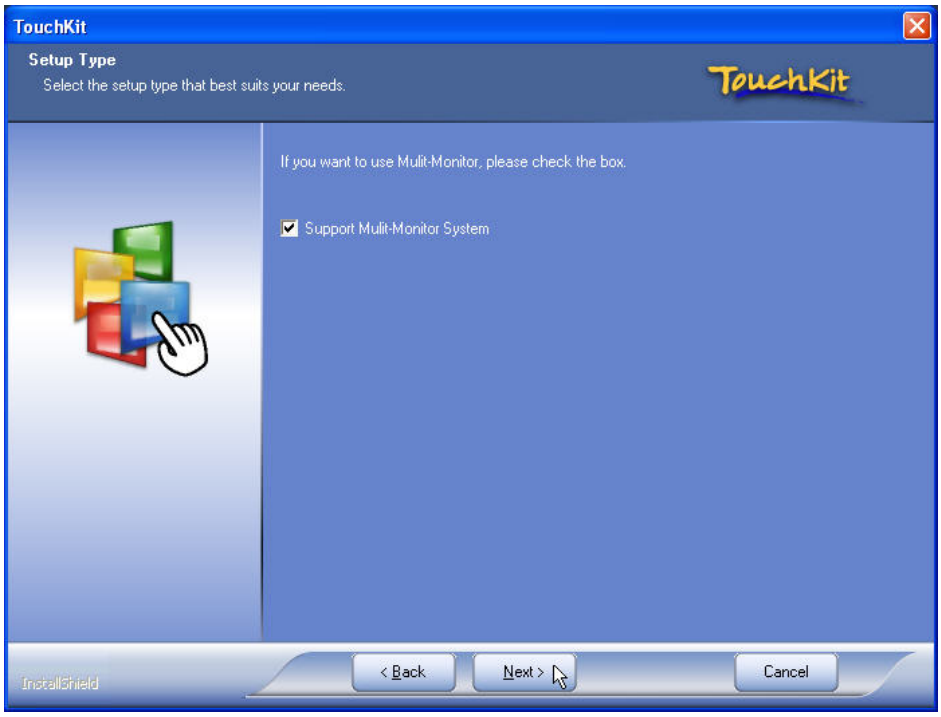
3. Click **Next**



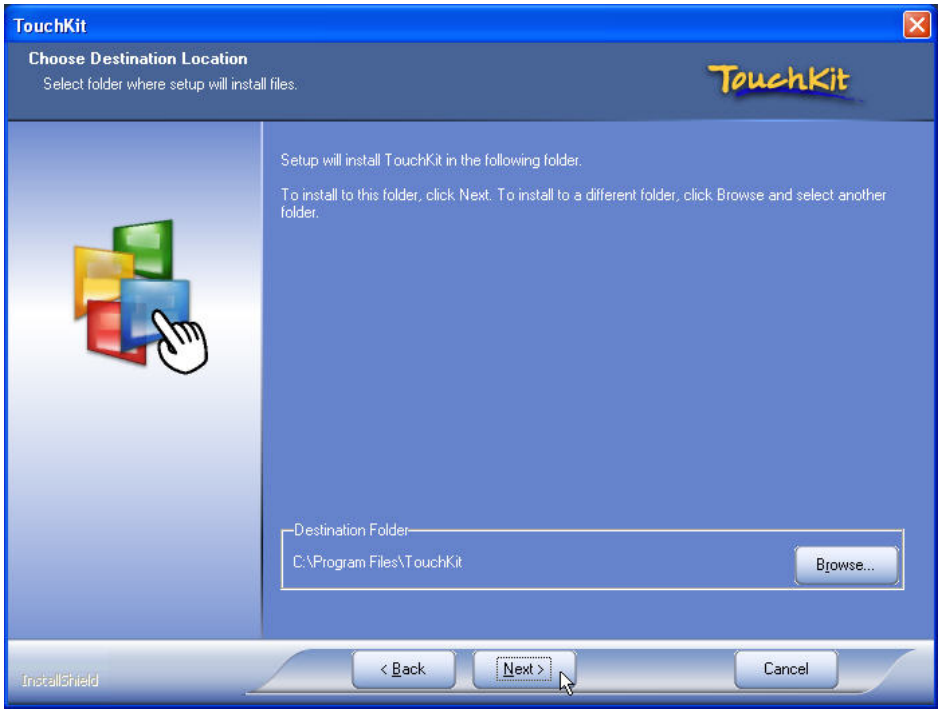
4. Click **OK**


TouchKit
Setup Type
Select the setup type that best suits your needs.
TouchKit
Do 4 point calibration
Every system boot up
Next system boot up
TouchKit - InstallShield Wizard
If you are trying to install the USB touch device, please make sure that your touch monitor or touch controller's USB cable is plugged into the computer now.
Please close the "Found New Hardware Wizard" dialog when it pop-up.
OK
InstallShield
< Back
Next >
Cancel

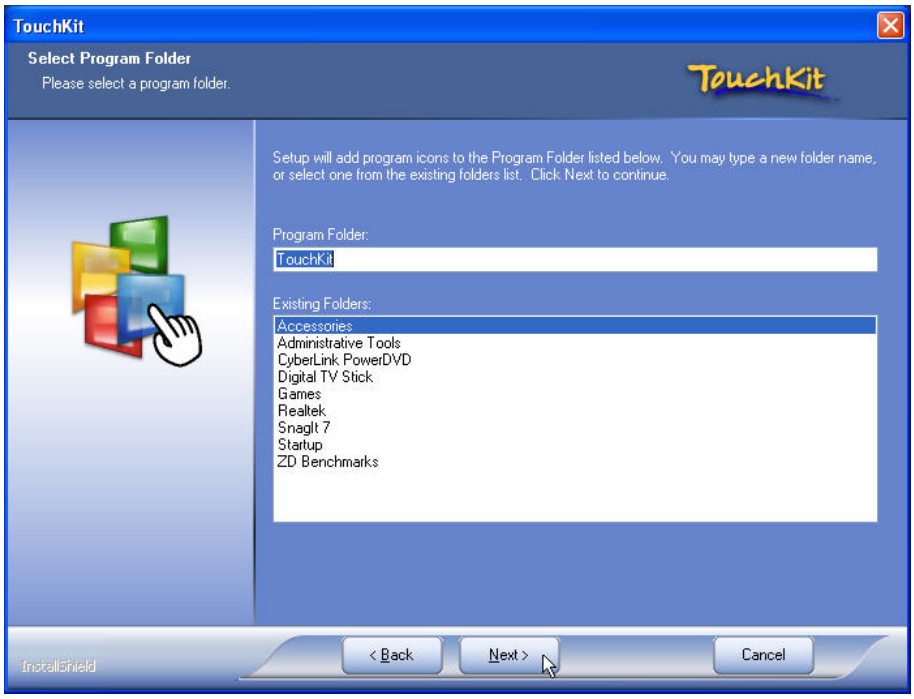
5. Click **Next**



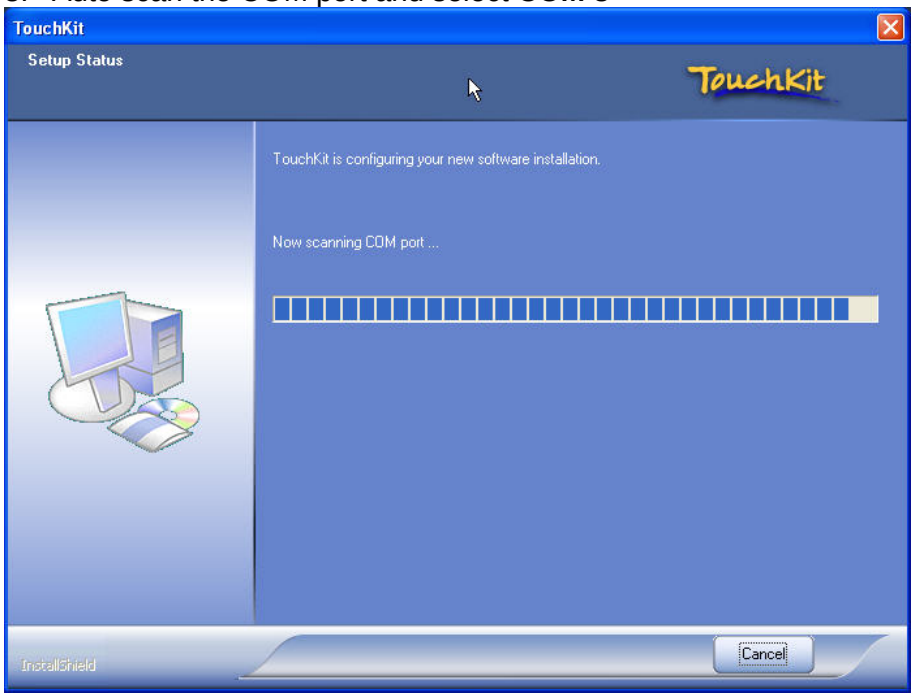
6. Click **Next**

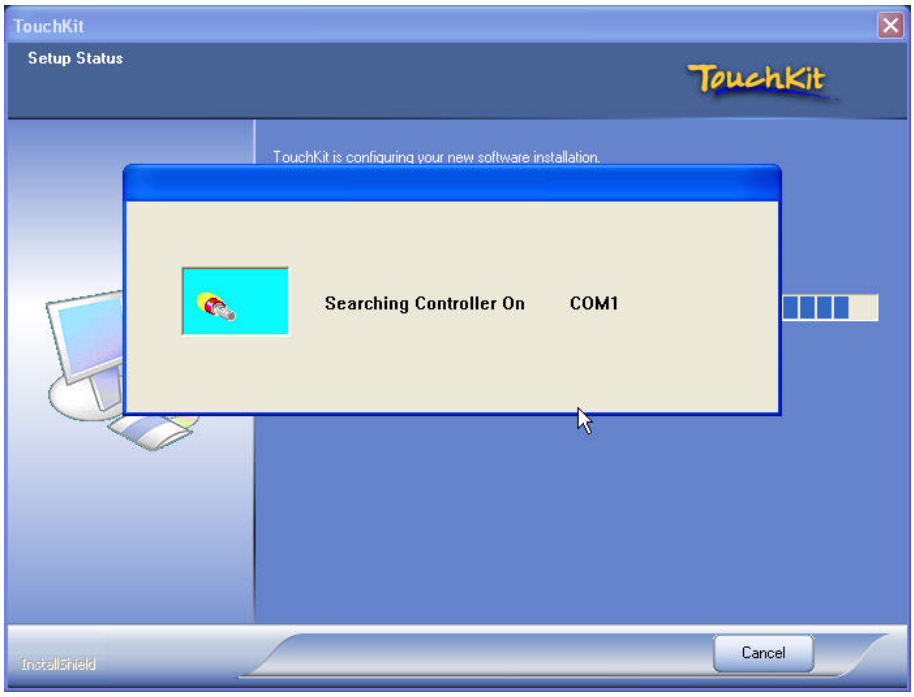

TouchKit
Choose Destination Location
Select folder where setup will install files.
TouchKit
Setup will install TouchKit in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\TouchKit
Browse...
InstallShield
< Back
Next >
Cancel

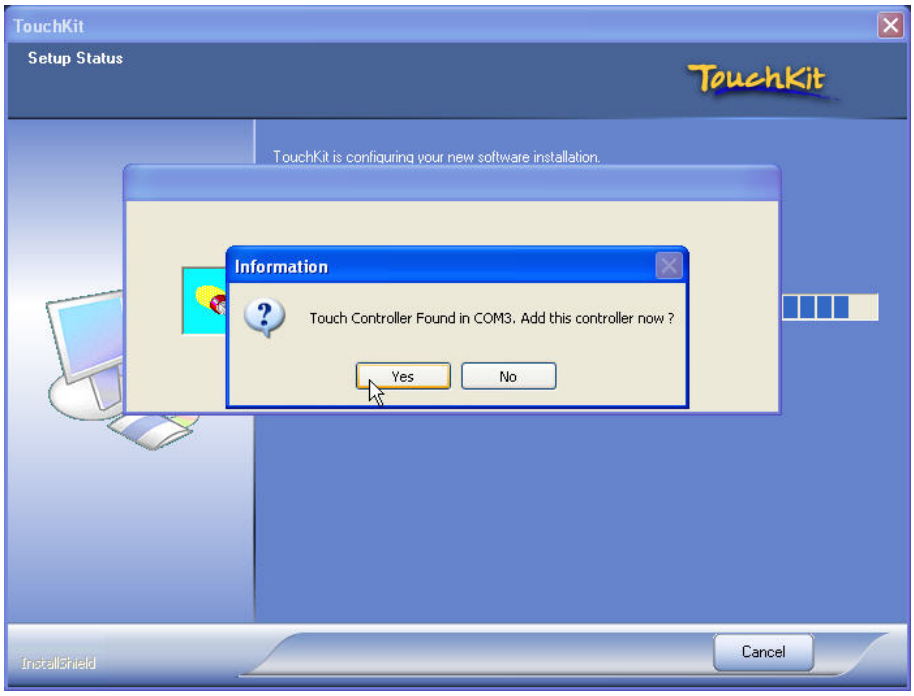
7. Click **Next**



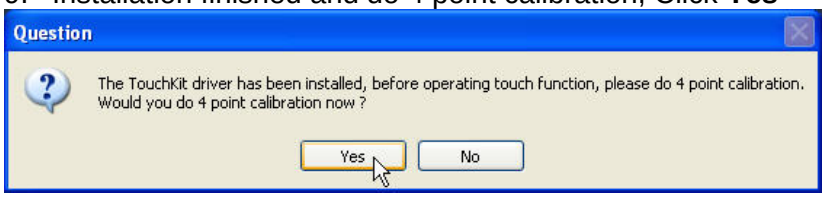
8. Auto scan the COM port and select **COM 3**



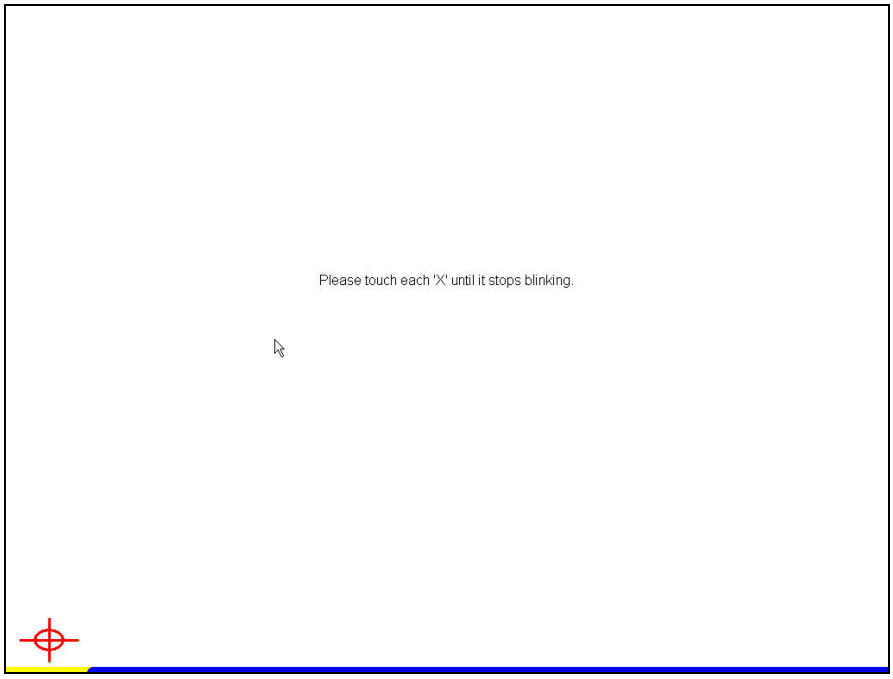




9. Installation finished and do 4 point calibration, Click **Yes**

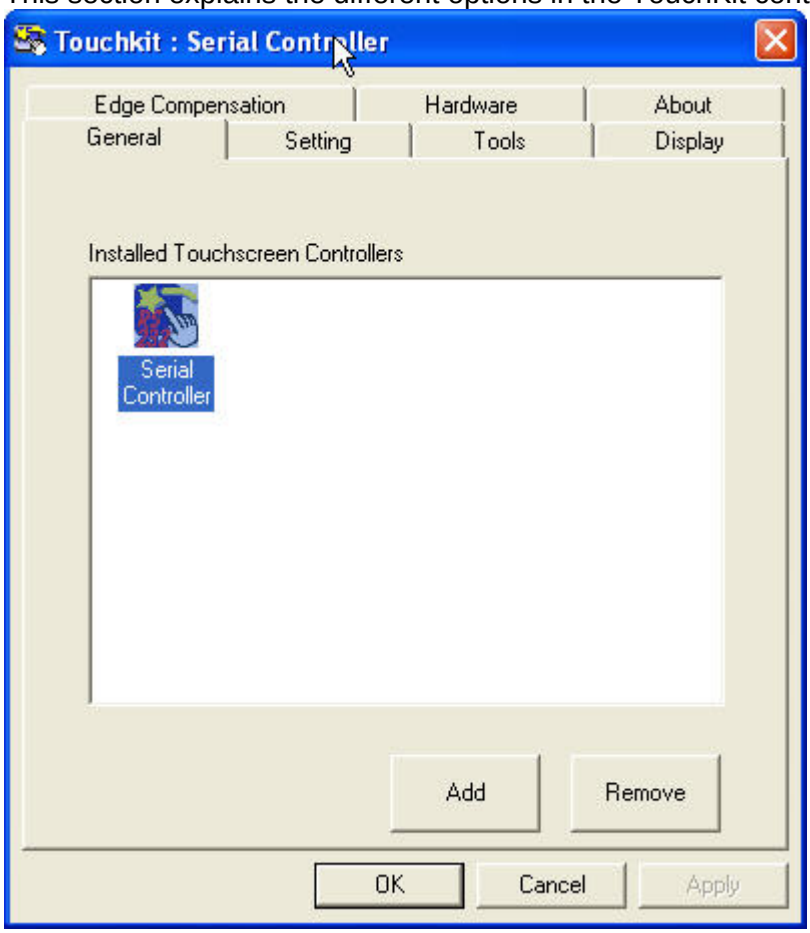

Question
The TouchKit driver has been installed, before operating touch function, please do 4 point calibration.
Would you do 4 point calibration now ?
Yes
No

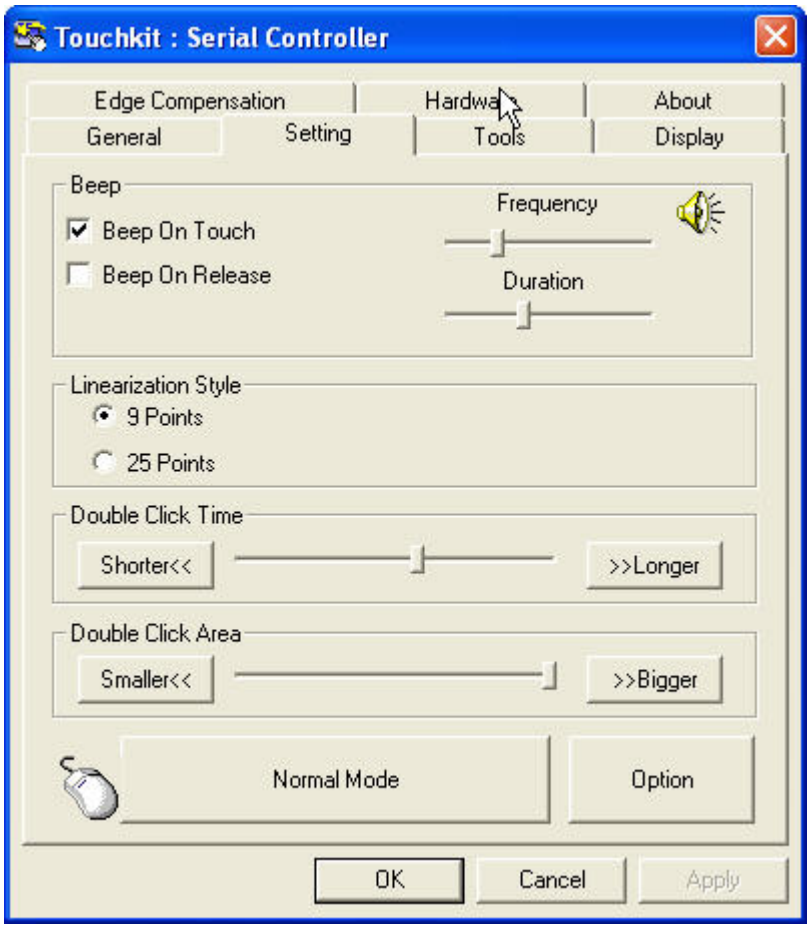
10. Calibrations

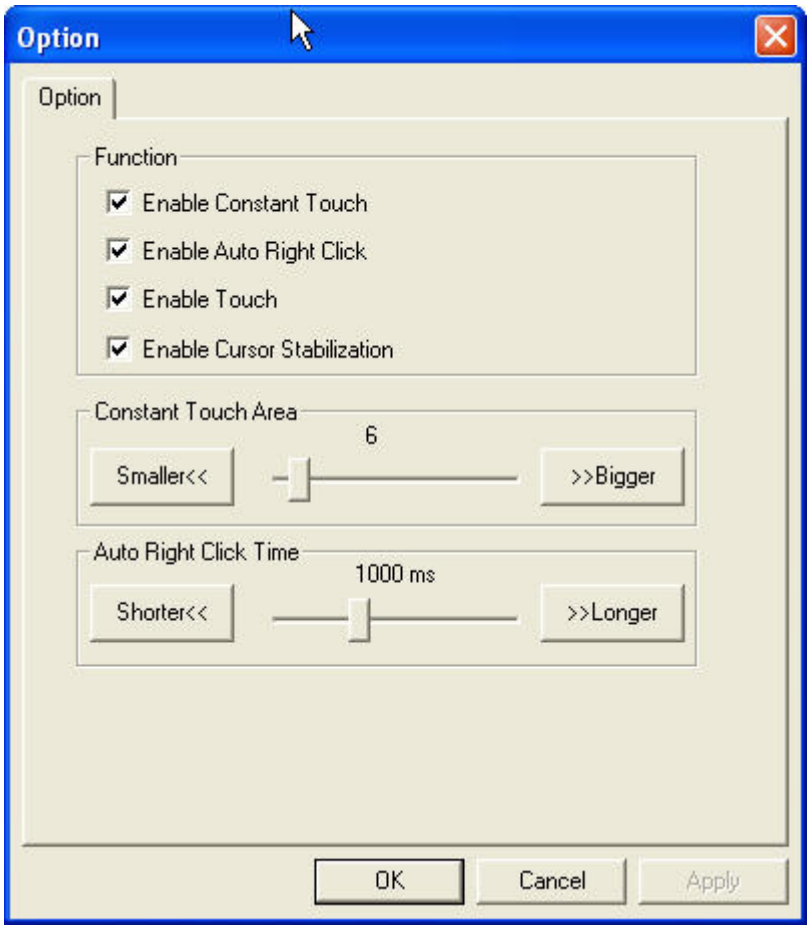


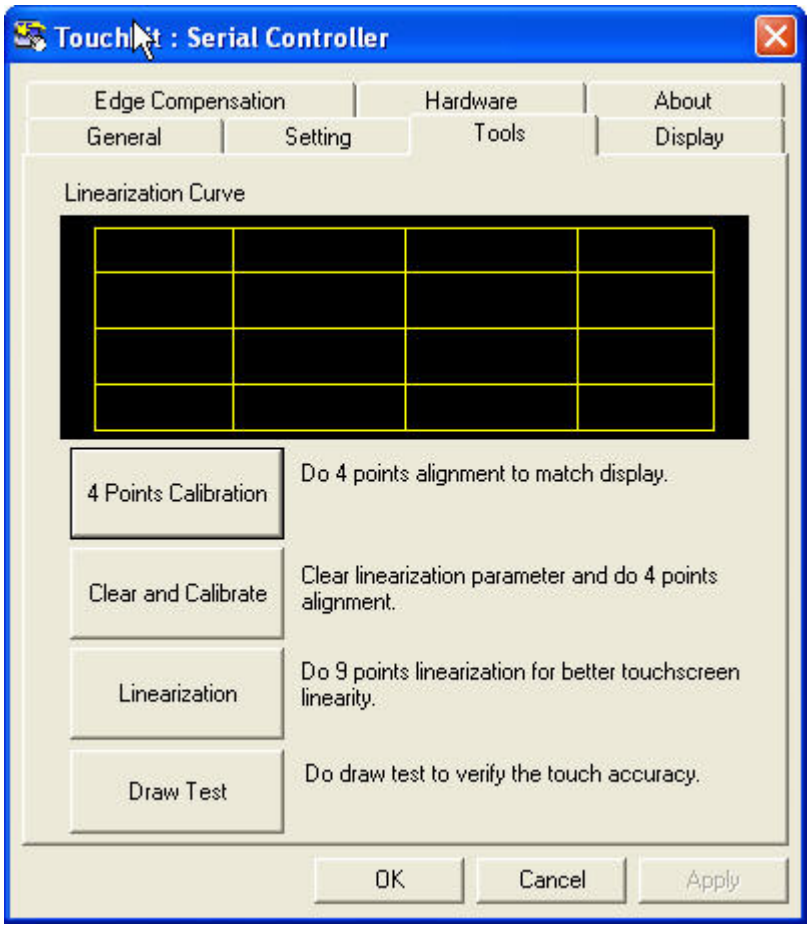
TouchKit Control Panel

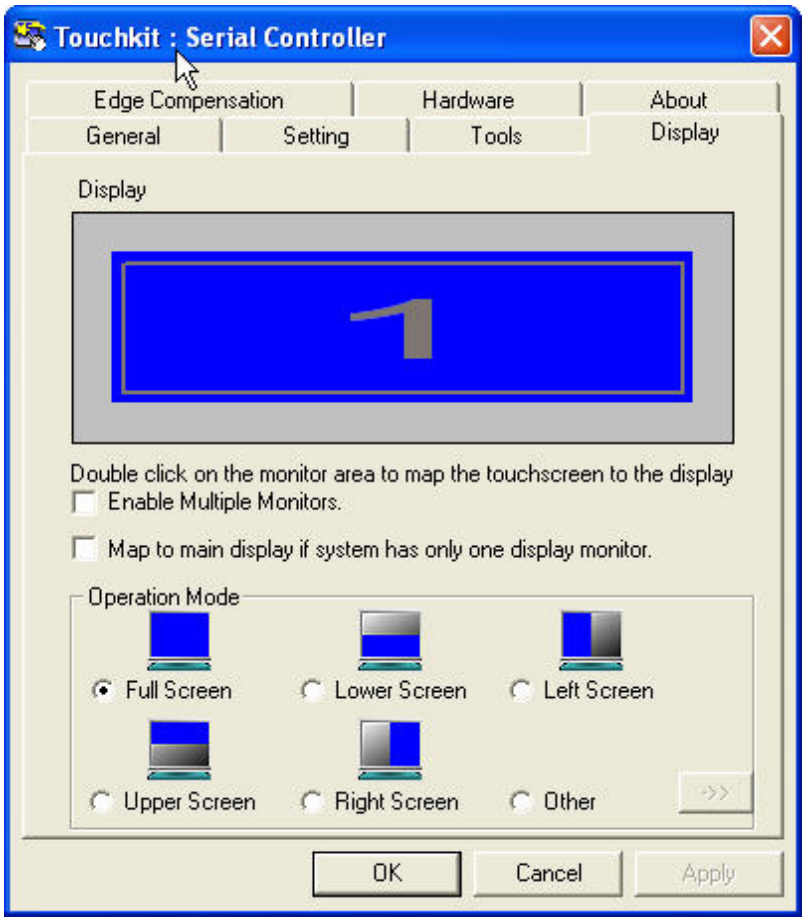
This section explains the different options in the TouchKit control Panel.

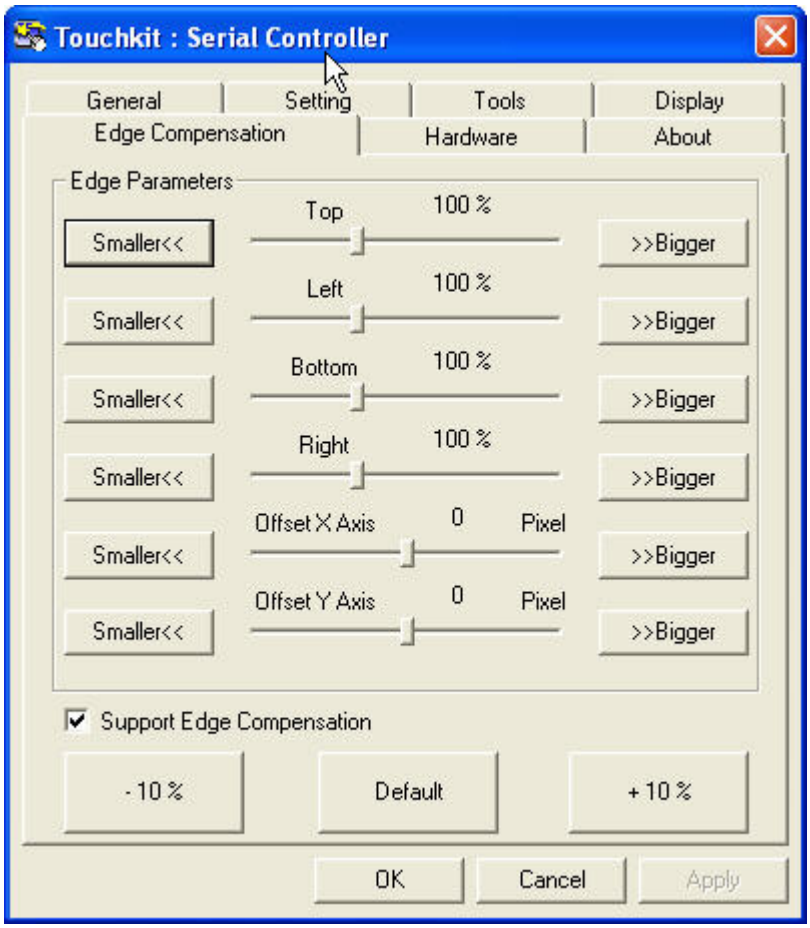


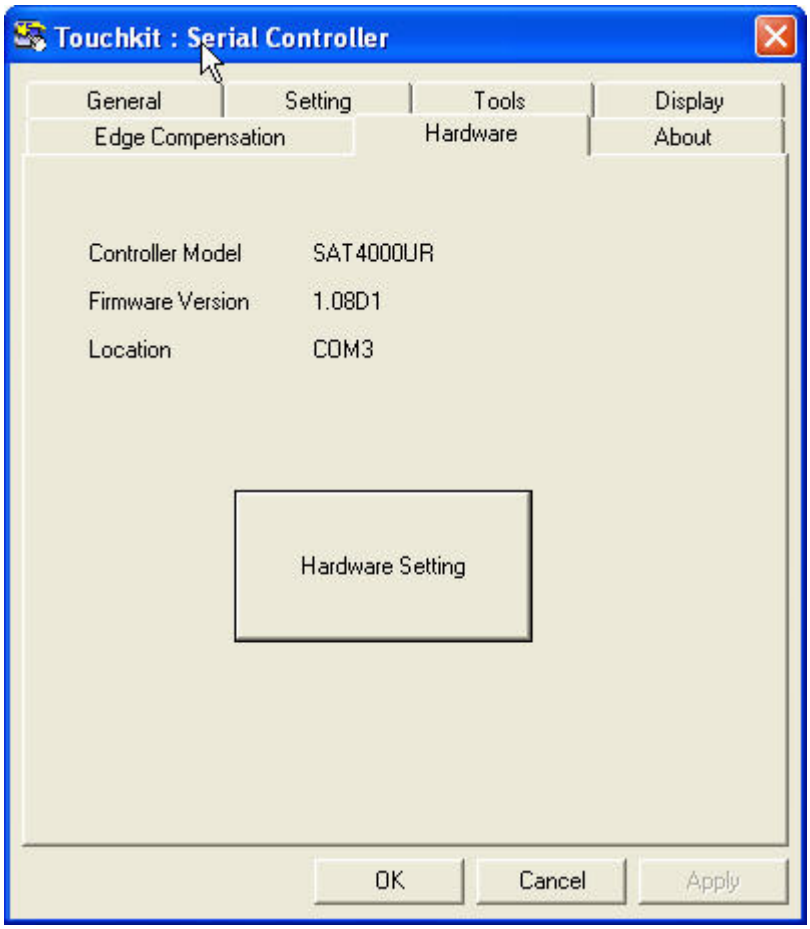

Touchkit : Serial Controller
Edge Compensation
Hardwa
About
General
Setting
Tools
Display
Beep
Beep On Touch
Beep On Release
Frequency
Duration
Linearization Style
9 Points
25 Points
Double Click Time
Shorter<<
>>Longer
Double Click Area
Smaller<<
>>Bigger
Normal Mode
Option
OK
Cancel
Apply

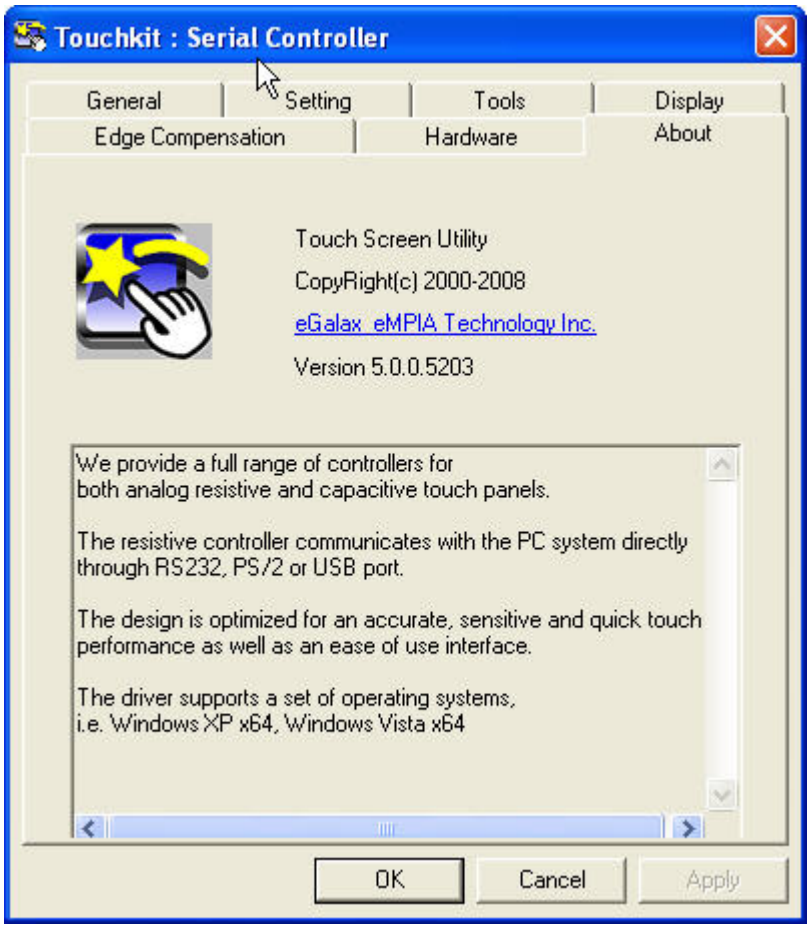

Option
Option
Function
Enable Constant Touch
Enable Auto Right Click
Enable Touch
Enable Cursor Stabilization
Constant Touch Area
6
Smaller<<
>>Bigger
Auto Right Click Time
1000 ms
Shorter<<
>>Longer
OK
Cancel
Apply


Touchkit : Serial Controller
Edge Compensation
Hardware
About
General
Setting
Tools
Display
Linearization Curve
4 Points Calibration
Do 4 points alignment to match display.
Clear and Calibrate
Clear linearization parameter and do 4 points alignment.
Linearization
Do 9 points linearization for better touchscreen linearity.
Draw Test
Do draw test to verify the touch accuracy.
OK
Cancel
Apply


Touchkit : Serial Controller
Edge Compensation
Hardware
About
General
Setting
Tools
Display
Display
1
Double click on the monitor area to map the touchscreen to the display
Enable Multiple Monitors.
Map to main display if system has only one display monitor.
Operation Mode
Full Screen
Lower Screen
Left Screen
Upper Screen
Right Screen
Other
->>
OK
Cancel
Apply


Touchkit : Serial Controller
General
Setting
Tools
Display
Edge Compensation
Hardware
About
Edge Parameters
Top
100 %
Smaller<<
>>Bigger
Left
100 %
Smaller<<
>>Bigger
Bottom
100 %
Smaller<<
>>Bigger
Right
100 %
Smaller<<
>>Bigger
Offset X Axis
0
Pixel
Smaller<<
>>Bigger
Offset Y Axis
0
Pixel
Smaller<<
>>Bigger
Support Edge Compensation
- 10 %
Default
+ 10 %
OK
Cancel
Apply


Touchkit : Serial Controller
General
Setting
Tools
Display
Edge Compensation
Hardware
About
Controller Model
SAT4000UR
Firmware Version
1.08D1
Location
COM3
Hardware Setting
OK
Cancel
Apply


Touchkit : Serial Controller
General
Setting
Tools
Display
Edge Compensation
Hardware
About
Touch Screen Utility
CopyRight(c) 2000-2008
eGalax_eMPIA Technology Inc.
Version 5.0.0.5203
We provide a full range of controllers for
both analog resistive and capacitive touch panels.
The resistive controller communicates with the PC system directly
through RS232, PS/2 or USB port.
The design is optimized for an accurate, sensitive and quick touch
performance as well as an ease of use interface.
The driver supports a set of operating systems,
i.e. Windows XP x64, Windows Vista x64
OK
Cancel
Apply

Chapter 3

Specifications

System specifications

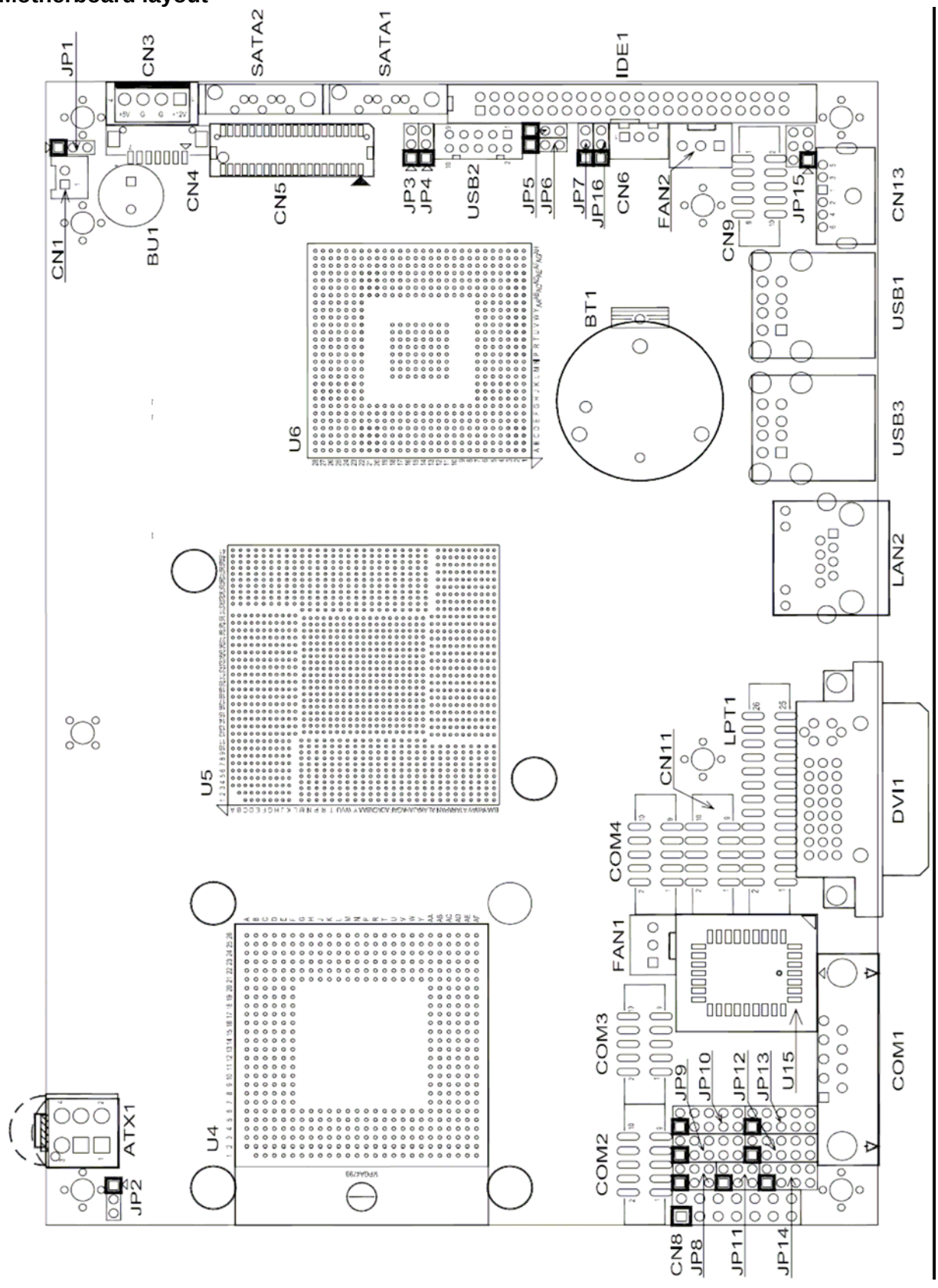
PP9620 series Panel PC specifications		
CPU	Socket M (479-pin) for Intel® Core™2 Duo/Core™ Duo/Solo 667/533MHz; Default: Yonah Dual Core T2500 2.0 Ghz FSB 667Mhz L2 cache 2M Yonah Single Core Celeron M 440_1.86GHz FSB 533Mhz L2 cache 1M	
System Chipset	Intel® 945GME + ICH7M,	
System memory	1 x 200-pin DDR2 DIMM up to 2GB Default: 512MB	
Model name	**PP-9267**	**PP-9265**
LCD	17“ TFT LCD 1280x1024, 300 nits	15“ TFT LCD 1024x768, 350 nits
Display	Intel® Graphics Media Accelerator (GMA) 950 * LVDS with 18/36 bit channel mode as primary LCD display * DVI-I connector for DVI and CRT output for secondary display	
Display memory	Max. up to 224MB frame buffer sharing system memory	
Touch and controller	5-wire/4-wire Resistive touch (RS-232) IR touch(RS-232) Default: Elo 5-wire Resistive touch	
HDD	One removable slide-in SATA 2.5” HDD with cables connection Default : 80 GB	
Watchdog Timer	Reset supported; 255 levels	
I/O	USB 2.0 x 5 Powered USB 12V x1	USB 2.0 x6
	SATA-150 x2 (1 for HDD, 1 reserved for future upgrade),	
	RS-232 x3(COM1/2/4) with +5V/12V powered, D-sub 9 connector	
	RS-232 x1 pinheader for touch controller	
	DVI-I output for secondary display (A DVI-VGA adaptor attached)_	
	Line-in, Line-out, Mic-in	
	Giga LAN x1	
	Printer port x1, D-sub 25 connector	
	PS/2 for Keyboard, Mouse	

	RJ-11 for digital I/O	
	IDE x1(44 pin, DMA 100,reserved for DOM)	
	Compact Flash Type I/II socket	
	Power DIN 4P plug and power switch	
Dimensions	**403Wx325Hx68Dmm**	**367Wx283Hx68Dmm**
Mounting	VESA standard 75mm screws holes for wall mount arm Panel mount bracket x2 (depends on customer's requirement)	
Housing	Heavv duty steel, black color	
EMI safety	CE, FCC,RoHS	
Weight	6.5 kg	
Power Supply	External 12V adaptor 150W,, AC 90~230 50~60Hz universal input	

Motherboard configurations

This chapter describes the jumpers/connectors of **EP-830F** motherboard.

Motherboard layout



- COM1~COM4 Mode Select for Type Jumpers: JP9, JP10, JP12, JP13

COM1	JP12
Pin 1=12V	Short 1-3
Pin 1=5V	Short 3-5 or 5-7
*Pin 1=DCD (Default)	Short 7-9
Pin 9=12V	Short 2-4
Pin 9=5V	Short 4-6 or 6-8
*Pin 9=RI (Default)	Short 8-10

COM2	JP9
Pin 1=12V	Short 1-3
Pin 1=5V	Short 3-5 or 5-7
*Pin 1=DCD (Default)	Short 7-9
Pin 8=12V	Short 2-4
Pin 8=5V	Short 4-6 or 6-8
*Pin 8=RI (Default)	Short 8-10

COM3	JP10
Pin 1=12V	Short 1-3
Pin 1=5V	Short 3-5 or 5-7
*Pin 1=DCD (Default)	Short 7-9
Pin 8=12V	Short 2-4
*Pin 8=5V (Default)	Short 4-6 or 6-8
Pin 8=RI	Short 8-10

COM4	JP13
Pin 11=12V	Short 1-3
Pin 11=5V	Short 3-5 or 5-7
*Pin 1=DCD (Default)	Short 7-9
Pin 8=12V	Short 2-4
Pin 8=5V	Short 4-6 or 6-8
*Pin 8=RI (Default)	Short 8-10

JP9, JP10, JP12, JP13

Description	Function	Jumper Setting		
COM1 Mode Select (JP14/JP8/ JP11)	RS-232 (Default)			
	RS-422			
	RS-485			

Description	Function	Jumper Setting
LVDS Voltage Select (JP3)	3.3V (Default)	
	5V	
CompactFlash Voltage Selection (JP6)	3.3V (Default)	
	5V	

CMOS Clear (JP5)	Normal (Default)	
	Clear CMOS	

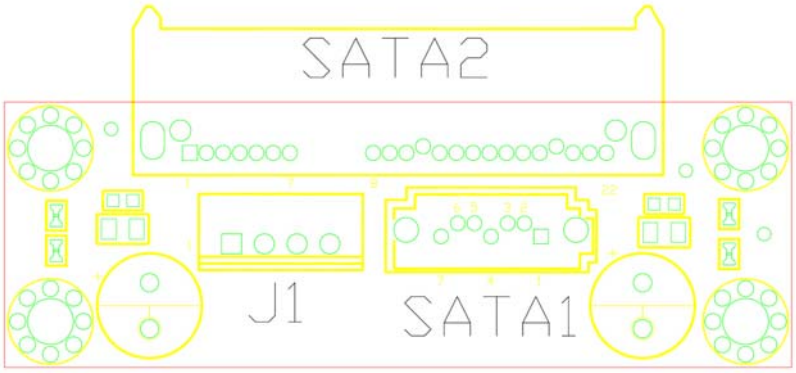
Description	Function	Jumper Setting
Audio Line Out/Speaker Out Selection (JP15)	Line Out (Default)	
	Speak Out	
CompactFlash Mode Selection (JP1)	Slave (Default)	
	Master	
Power ATX/AT Mode Selection (JP2)	ATX (Default)	
	AT	
USB Voltage Selection (JP4/ JP7/ JP16)	5V_SBY	
	5V (Default)	

III. Connectors

Connector	Label	Connector	Label
Power Control Connector	CN1	Serial Port3 Connector	COM3
EPIC EXPRESS Slot	CN2	Serial Port4 Connector	COM4
Power-Out Connector	CN3	CompactFlash™ Socket	CFS1
LVDS Backlight Connector	CN4	DDRII SO-DIMM	DIMMS1
LVDS1 Connector	CN5	Digital Visual Interface (DVI) Connector	DVI1
SM BUS Connector	CN6	CPU FAN Connector	FAN1
Front Panel Bezel Connector	CN8	System FAN Connector	FAN2
Connector	**Label**	**Connector**	**Label**
Audio Connector	CN9	Parallel IDE Connector	IDE1
Digital I/O Connector	CN11	LAN2 Connector	LAN2
LAN2 Connector (Optional)	CN12	Parallel Port Connector	LPT1
6-Pin Mini Dim Keyboard / Mouse Connector	CN13	USB Port0 & Port1 Connector	USB1

+12V-IN Power Connector	ATX1	USB Port2 & Port3 Connector	USB2
Serial Port1 Connector	COM1	USB Port4 & Port5 Connector	USB3/ USB4
Serial Port2 Connector	COM2	SATA Connectors	SATA1/2

SATA docking board



SATA 7PIN Connector(SATA1)

Pin	Signal	Pin	Signal
1	GND	2	STXP_1
3	STXN_1	4	GND
5	SRXN_1	6	SRXP_1
7	GND		

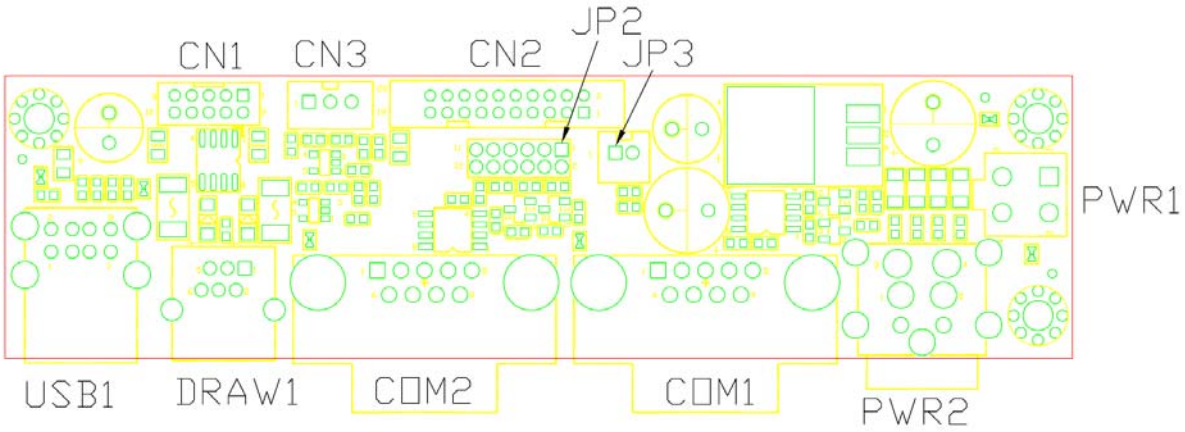
SATA 22PIN Connector(SATA2)

Pin	Signal	Pin	Signal
1	GND	2	STXP_1
3	STXN_1	4	GND
5	SRXN_1	6	SRXP_1
7	GND	8	N/A
9	N/A	10	N/A
11	GND	12	GND
13	GND	14	+5V
15	+5V	16	+5V
17	GND	18	N/A
19	GND	20	N/A
21	N/A	22	N/A

SATA Power Connector(J1)

Pin	Signal	Pin	Signal
1	+12V	2	GND
3	GND	4	+5V

PP-9265 I/O board



COM4 Ring/+5V/+12V Selection(JP2)

1-2	3-4	5-6
+12V	+Ring	+5V

COM2 Ring/+5V/+12V Selection(JP2)

7-8	9-10	11-12
+12V	+Ring	+5V

DRAW +12V/GND Selection(CN3)

1-2	2-3
+12V	GND

2Port USB Connector(CN1)

Pin	Signal	Pin	Signal
1	GND	2	GND
3	GND	4	GND
5	USBD0+	6	USBD1+
7	USBD0-	8	USBD1-
9	+5V	10	+5V

Serial Port Connector(CN2)

Pin	Signal	Pin	Signal
1	DCD4	2	DSR4
3	RXD4	4	RTS4
5	TXD4	6	CTS4
7	DTR4	8	RI4
9	DCD2	10	DSR2

11	RXD2	12	RTS2
13	TXD2	14	CTS2
15	DTR2	16	RI2
17	DIO OUT 0	18	DIO IN 0
19	DIO OUT 1	20	GND

Power Control Connector(JP3)

Pin	Signal	Pin	Signal
1	PWR_PSON	2	GND

+12V Power Connector(PWR1)

Pin	Signal	Pin	Signal
1	GND	2	GND
3	+12V	4	+12V

Power Input Connector(PWR2)

Pin	Signal	Pin	Signal
1	+12V	2	GND
3	+12V	4	GND

USB Connector(USB1)

Pin	Signal	Pin	Signal
1	+5V	2	+5V
3	USBD0+	4	USBD1+
5	USBD0-	6	USBD1-
7	GND	8	GND

Digital I/O Connector(DRAW1)

Pin	Signal	Pin	Signal
1	GND	2	DI/O Out 0
3	DI/O IN 0	4	+12V
5	DI/O Out 1	6	GND

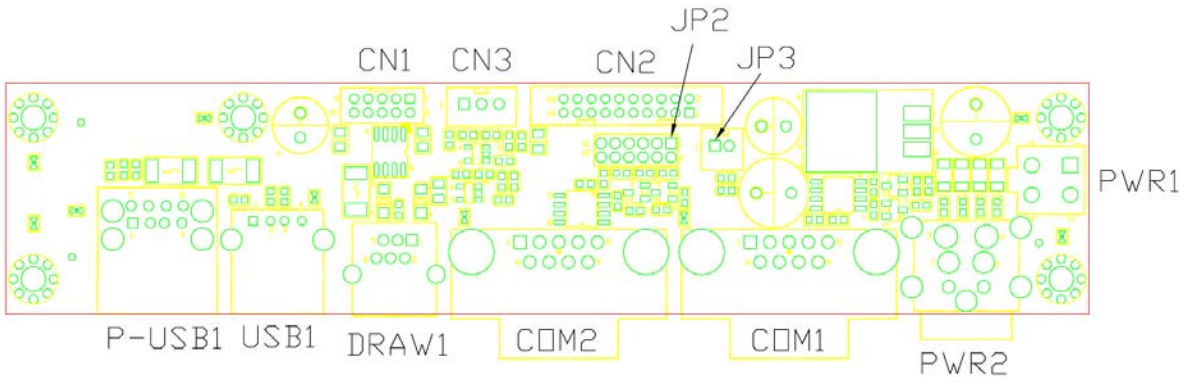
COM2 Serial Port Connector(COM2)

Pin	Signal	Pin	Signal
1	DCD2	6	DSR2
2	RXD2	7	RTS2
3	TXD2	8	CTS2
4	DTR2	9	+5V/+12V/RI
5	GND	10	N/A

COM4 Serial Port Connector(COM1)

Pin	Signal	Pin	Signal
1	DCD4	6	DSR4
2	RXD4	7	RTS4
3	TXD4	8	CTS4
4	DTR4	9	+5V/+12V/RI
5	GND	10	N/A

PP-9267 I/O board



COM4 Ring/+5V/+12V Selection(JP2)

1-2	3-4	5-6
+12V	+Ring	+5V

COM2 Ring/+5V/+12V Selection(JP2)

7-8	9-10	11-12
+12V	+Ring	+5V

DRAW +12V/GND Selection(CN3)

1-2	2-3
+12V	GND

2Port USB Connector(CN1)

Pin	Signal	Pin	Signal
1	GND	2	GND
3	GND	4	GND
5	USBD0+	6	USBD1+
7	USBD0-	8	USBD1-
9	+5V	10	+5V

Serial Port Connector(CN2)

Pin	Signal	Pin	Signal
1	DCD4	2	DSR4
3	RXD4	4	RTS4
5	TXD4	6	CTS4
7	DTR4	8	RI4
9	DCD2	10	DSR2
11	RXD2	12	RTS2
13	TXD2	14	CTS2
15	DTR2	16	RI2

17	DIO OUT 0	18	DIO IN 0
19	DIO OUT 1	20	GND

Power Control Connector(JP3)

Pin	Signal	Pin	Signal
1	PWR_PSON	2	GND

+12V Power Connector(PWR1)

Pin	Signal	Pin	Signal
1	GND	2	GND
3	+12V	4	+12V

Power Input Connector(PWR2)

Pin	Signal	Pin	Signal
1	+12V	2	GND
3	+12V	4	GND

Powered USB Connector(P-USB1)

Pin	Signal	Pin	Signal
1	+5V	2	USBD0-
3	USBD0+	4	GND
5	GND	6	+12V
7	+12V	8	GND

USB Connector(USB1)

Pin	Signal	Pin	Signal
1	+5V	2	USBD1-
3	USBD1+	4	GND

Digital I/O Connector(DRAW1)

Pin	Signal	Pin	Signal
1	GND	2	DI/O Out 0
3	DI/O IN 0	4	+12V
5	DI/O Out 1	6	GND

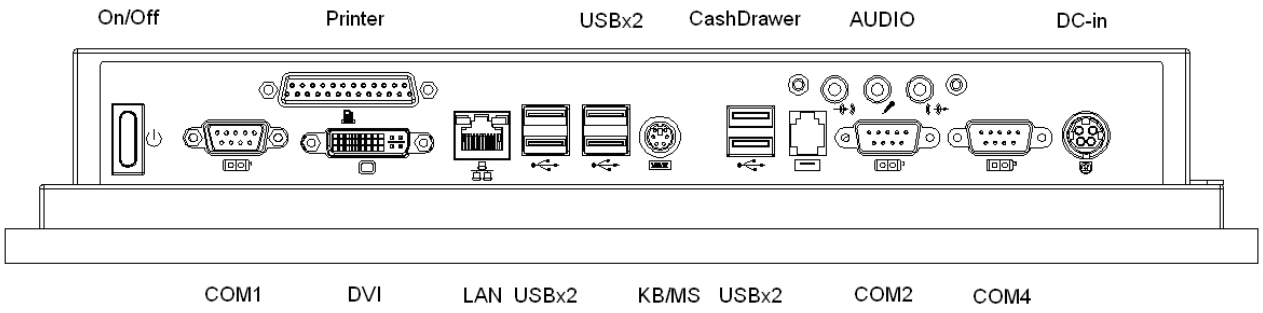
COM2 Serial Port Connector(COM2)

Pin	Signal	Pin	Signal
1	DCD2	6	DSR2
2	RXD2	7	RTS2
3	TXD2	8	CTS2
4	DTR2	9	+5V/+12V/RI
5	GND	10	N/A

COM4 Serial Port Connector(COM1)

Pin	Signal	Pin	Signal
1	DCD4	6	DSR4
2	RXD4	7	RTS4
3	TXD4	8	CTS4
4	DTR4	9	+5V/+12V/RI
5	GND	10	N/A

PP-9265 system I/O panel



PP-9267 system I/O panel